

©All rights reserved.

This document contains PROPRIETARY and CONFIDENTIAL information, some or all of which may be legally privileged. It is intended for restricted users only and any unauthorized access or disclosure is prohibited.

Client ID	285 Enel Green	Project ID	06
------------------	-----------------------	-------------------	-----------

Title	Description of Solar Plant for sale
Topic & Summary	Solar plant technical description and status assessment.

Document nr.	EC0128506PR01	Type	Description
Issue	E	Status	Finalized
Branch	EC – EECC Consulting	References	New Life
File	EC0128506PR01E - PV assessment.docx		
Keywords	Solar Plant, Sungrow, Panels, Inverter		

Issued by:	G.Baratti	<i>date</i>	2024-01-24	<i>signature</i>	<i>GB</i>
Checked by:	D. Hanselmann	<i>date</i>	2024-01-24	<i>signature</i>	<i>DH</i>
Released by:	D. Hanselmann	<i>date</i>	2024-01-24	<i>signature</i>	<i>DH</i>

Revision History	Issue	Date	Reason
	H		
	G		
	F		
	E	2024-01-24	Tracker quantity and configuration available
	D	2024-01-18	Added additional information of tracker and row
	C	2024-01-11	Minor adjustment
	B	2024-01-09	Minor adjustment
	A	2023-12-20	First issue

This document has been issued according to state of the art documentation rules. Easy Energy Companies e Consulting SA is not liable for damages or problems derived from delivery of third party equipment and components or by the incorrect application of the information contained herein.
We reserve the right to make editorial and technical changes at any time and without prior notice. No claims for the modification of products that have already been supplied may be made on the basis of the data, diagrams and descriptions in this documentation.

Abstract

This document describes the various characteristics of a Solar Plant available for transfer and the current status of its components. Equipment available for sale: 295'875 LR4-72HBD solar panels including NX Horizon tracker, 756 string inverter SG250HXV116_S and 27 LV MV Transformer Cabin SFL-6300/33. All units come from a solar system project purchased in 2021 but never installed. All units are stored in their original packaging.

To note:

- ⇒ OEM warranty still in force.
- ⇒ material is available today. No production time lag.
- ⇒ material is packaged and ready to be shipped.
- ⇒ the technology is up to date.
- ⇒ top quality of component.
- ⇒ quantity available is relevant.



Table of Contents

1. Introduction.....	3
2. Description of Supply.....	4
2.1 Panels Longi LR4-72HBD	4
2.2 String Inverter Sungrow SG250 HX.....	5
2.3 Sungrow LV MV Transformer Cabin SFL-6300/33	7
2.4 Tracker NXHorixon	8
2.5 Tracker composition row	9
2.6 Technical data	15
3. Actual conditions	20
3.1 Part number and Serial numbers	23
3.2 Scope of Supply	42
3.3 Exclusions.....	42
3.4 Technical documentation.....	43

Index of Tables

Table 1: inverted efficiency curve.....	6
Table 2: tracker row.....	9
Table 3: inverter data.....	39
Table 4: PMD data.....	40
Table 5: LV MV Transformer Cabinet.....	41
Table 6: scope of supply.....	42
Table 7: exclusions from the Scope of Supply.....	43
Table 8: exclusions from scope of Services.....	43
Table 9: technical documentation.....	43

Index of Figures

Figura 1: Panels Longi LR4-72HBD.....	4
Figura 2: SG250 HX	5
Figura 3: SFL-6300/33	7
Figura 4: Tracker NXHorixon	8
Figura 5: Storage status 1	20
Figura 6: Storage status 2	20
Figura 7: Panels storage condition 2	22
Figura 8: Panels storage condition.....	22

1. Introduction

This document describes the various characteristics of a Solar Plant equipment available for transfer and its current status. The subject of the opportunity is as follows:

Panels	
Manufacturer	Longi
Model	LR4-72HBD
Number of unit	295'875

String Inverter	
Manufacturer	Sungrow
Model	SG250HXV116_S
Number of unit	756

LV MV Tranformer Cabin	
Manufacturer	Sungrow
Model	SFL-6300/33
Number of unit	27

Tracker	
Manufacturer	Nextracker
Model	NX Horizon
N° max of row	142

General info	
Condition	New
Year of construction	2021
Country	Chile

The Original Equipment Manufacturer warranty is still in force. The material is already available, packed and ready to be shipped to a new destination. This material was delivered in 2021, the technology is up to date. The products available are of high quality and the quantity available is relevant.

2. Description of Supply

2.1 Panels Longi LR4-72HBD

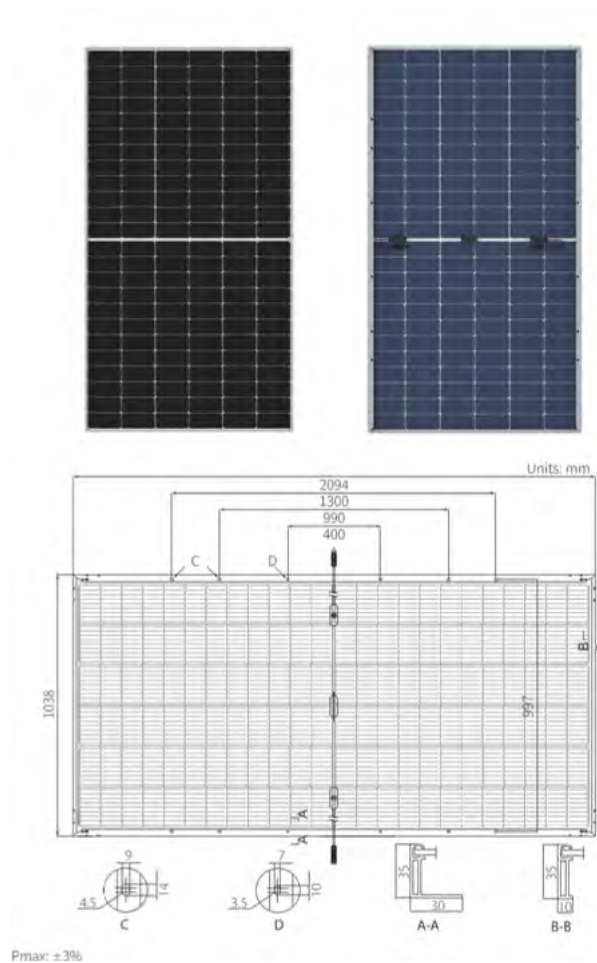


Figura 1: Panels Longi LR4-72HBD

Half-Cell

The power output of a bifacial half-cell module increases, and energy yield is higher under high irradiance conditions because of low working current.

Mechanical Load

Framed module, front/back side maximum static loading 5400/2400 Pa, makes it suitable for tracker mounts.

High Rating

Glass and junction box, with high voltage grade, supports 1500V systems.

Bifacial Energy Yield

Additional power generation from the backside of bifacial modules increases the overall energy yield, which has been verified by customers and third-party testing organizations.

Low Degradation

Anti-LID, anti-PID, 1st year degradation $\leq 2\%$, linear degradation $\leq 0.45\%/year$.

Standard Module

Fully compatible with mainstream inverters and trackers, with no system matching issues.

Gallium-doped Technology

Gallium-doped technology overcomes LID degradation and guarantees the long-term power generation of the module.

2.2 String Inverter Sungrow SG250 HX



Figura 2: SG250 HX

HIGH YIELD

- 12 MPPTs with max. efficiency 99%
- 30A MPPT compatible with 500Wp+ module Built-in Anti-PID and PID recovery function

LOW COST

- Compatible with Al and Cu AC cables DC 2 in 1 connection enabled
- Power line communication (PLC)
- Q at night function

SMART O&M

- Touch free commissioning and remote firmware upgrade
- Smart IV Curve diagnosis
- Fuse free design with smart string current monitoring

PROVEN SAFETY

- IP66 and C5 anti-corrosion
- Type II SPD for both DC and AC
- Compliant with global safety and grid code

EFFICIENCY CURVE

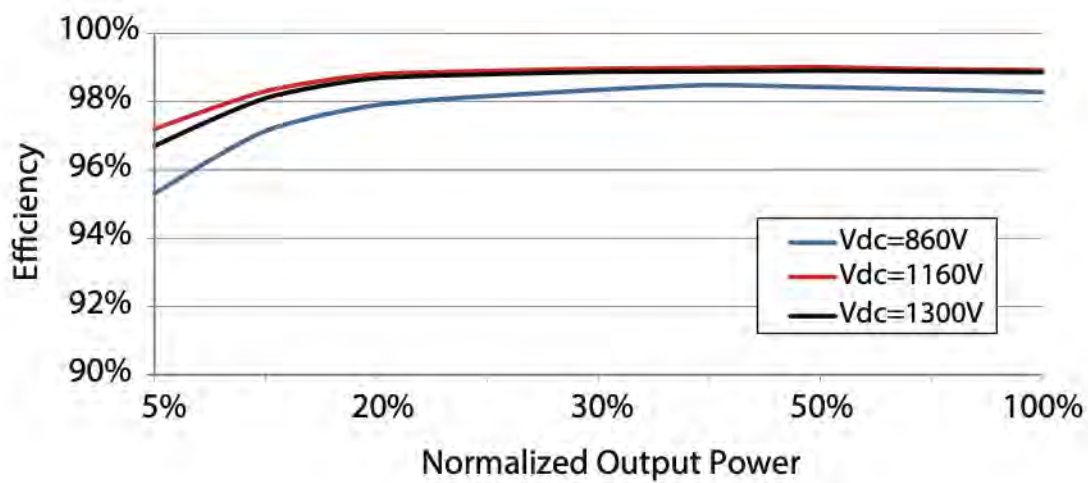


Table 1: inverted efficiency curve

2.3 Sungrow LV MV Transformer Cabin SFL-6300/33



Figura 3: SFL-6300/33

SAVED INVESTMENT

- Up to 7 MW block design
- Easy transportation due to standard container design

EASY O&M

- Online analysis for fast trouble shooting Modular design, easy replacement of main devices

SAFETY

- MV and LV isolated, with independent control room All key components front accessible, no need for walk-in operation
- All pre-assembled for easy set-up and commissioning

RELIABLE

- All components have been type tested and are in compliance with standards: IEC 60076, IEC 62271, IEC 61439

2.4 Tracker NXHorixon



Figura 4: Tracker NXHorixon

NX Horizon is an independent row, single axis horizontal tracker. This advanced horizontal tracker is designed to operate with 80% less power than other trackers and it has the widest rotational range available with the lowest O&M costs. By offering more powerful systems at a greater value, NEXTracker enables greater deployment of renewable energy worldwide. Independent balanced rows with 120-degree rotational range: Each NX Horizon row has its own controlled motor with rotational range that delivers up to 2% more energy than typically linked row trackers. These agile, independent rows stow in less than 90 seconds to reduce wind forces on the array, carefully protecting the PV modules in rapidly changing environments. NX Horizon solar trackers also have a mechanically balanced row design that aligns PV panels with the tracker's axis of rotation - which greatly reduces torsional load, using less energy from the motor to track throughout the day.

A Network Control Unit (NCU) aggregates communication and control for up to 100 controllers via the same ZigBee network.

Each NCU monitors real-time controller parameters and issues global commands to its associated SPCs. During wind or snow events, stowing commands are generated and issued automatically, based on real-time data from Weather Stations located onsite. Manual operator-generated commands are available via local switches on the NCU. Each CU is accessible via a Modbus interface for SCADA integration.

CUs are typically located at inverter pads with other electrical equipment to connect easily to the required AC power. A battery backup is built into each NCU unit.

A Weather Station measures real-time wind speed and snow depth and reports this data to the NCUs over the ZigBee network. When conditions warrant, the CUs propagate a stowing command out to their associated controllers within seconds. Each Weather Station is powered by a small, dedicated PV panel and includes a backup battery, eliminating the need for power wiring.

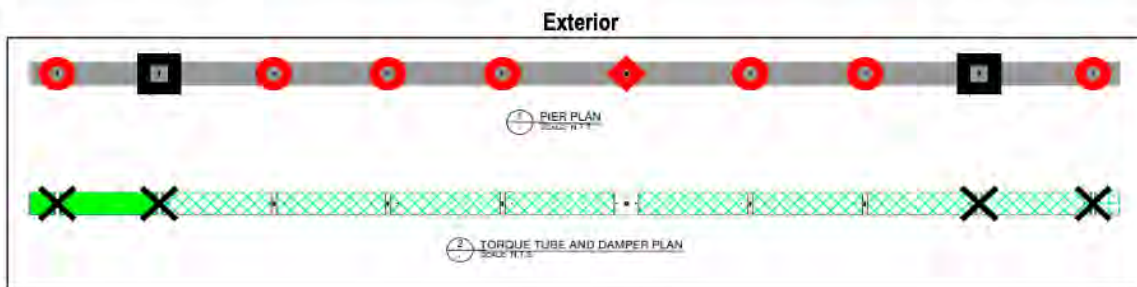
2.5 Tracker composition row

Using the currently available materials, it is feasible to assemble a single series of trackers following the configurations outlined in the following table, utilizing the detailed components specified within the same chapter.

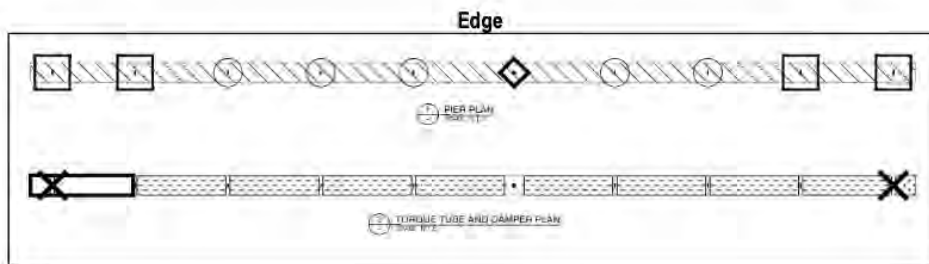
Type	Quantity	N° of installable Solar Panels	Total Wp installable
Exterior Row	64	5'376	2'446'080
Edge Row	77	6'468	2'942'940
Interior Row	142	11'928	5'427'240
Hybrid Exposed Long Wing Row	77	6'468	2'942'940
Hybrid Exposed Short Wing Row	142	11'928	5'427'240

Table 2: tracker row

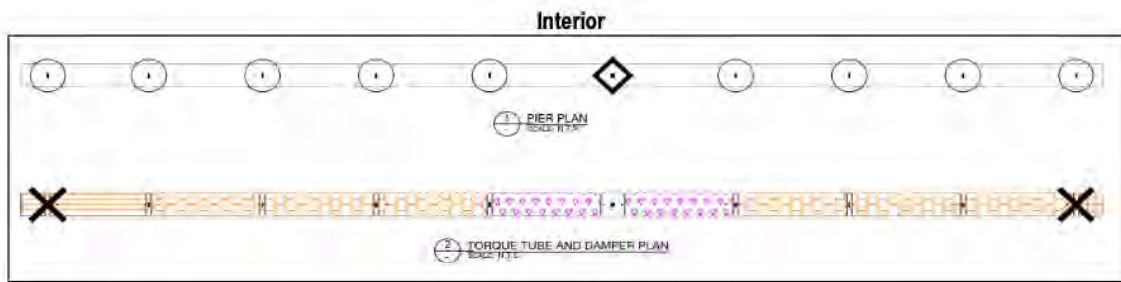
To note: all these configurations are not possible together. Only one of each type can be implemented or a mixed configuration is possible by checking the number of each row type.



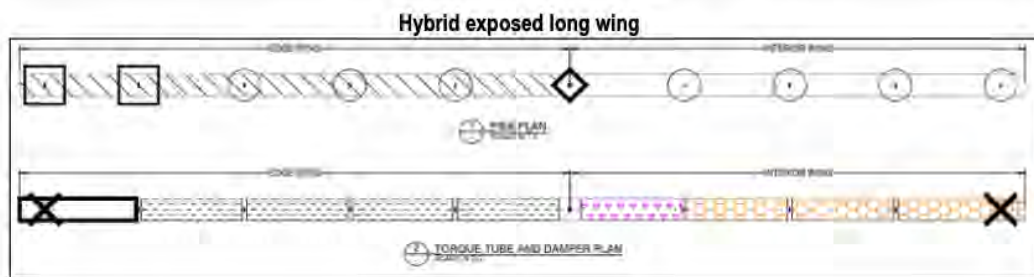
Código	Descripción	Cantidad
5066	Bolt, Cap, Socket Head, M12x1.75x30, Class 8.8 Steel, HDG	2
5070	Blind OM Rivet, 1/2" Diameter, Grip 4	42
5275	Blind OM Rivet, 1/2" Diameter, Grip 06, BL	24
61415	Smart Module, 40W	1
20961	Gen 2 Slew Gear, Integrated Collar, V4, TTA Assembly, Full	1
21016	SPC150-B	1
21039	Bearing Housing Assembly, 2.4, SR, Heavy	9
21047	First Rail	2
21078	Module Mounting Rail Assembly, 400mm, 14 ga, 63.5mm OS, CH Strap	75
21149	Slew Gear Mount Assembly, Heavy	1
21185	Double Upper Damper Mount Assembly, SRE	4
21186	Lower Damper Mount	8
21193	Damper, Double Tube, Load Limiting, Spherical Rod End	8
21214	Controller Mount Assembly, Integrated, Flat, 2.4	1
30516	SPC Antenna Mount v2 Subassembly	1
41279	End Cap, Plastic	2
41680	Washer	18
51760	Bobtail Pin, 1/4", Grip 2, Twist-On	336
51680	Bobtail Collar, 1/4", Twist On	336
43376	Torque Tube, 1060mm Spacing, 8 + 2 Module, 11.19m, 4mm THK, 60KSI, PRE-GALV, HTC	1
43878	Torque Tube, 1060mm Hole Spacing, 9 Module Bay, 10.210m, 4mm thk, 60ksi, Pre-Galv, HTC	8
48736	Torque Tube, 1060mm Spacing, 2 Module, 2.79m, 4mm thk, 60ksi, Pre-Galv, HTC	1
50735	Nut, Hex, Jam, M10x1.5x8.9 Thk, Class 8.8 Steel, HDG	36
50857	Twistlock Bobtail Pin, M12 , Grip 20, D1	82
50858	Twistlock Bobtail Collar, M12, BLX	82
51742	Planetary Gear Brushless Motor, Sensor-less, 150W	1
LR4-72HBD	Panel sola LR4-72HBD	84
60954	Smart Module, 30W	1
71961	Gen 2.2 v2 Motor Pier, W6x15-129	1
73189	Gen 2.2 Damper Slots Array Pier, W6x8.5-129	7
73239	Gen 2.2 Damper Slots Array Pier, W6x9-129	2



Código	Descripción	Cantidad
2054	Slew Gear Mount	1
5066	Bolt, Cap, Socket Head, M12x1.75x30, Class 8.8 Steel, HDG	2
5070	Blind OM Rivet, 1/2" Diameter, Grip 4	62
5275	Blind OM Rivet, 1/2" Diameter, Grip 06, BL	4
61415	Smart Module, 40W	1
21016	SPC150-B	1
21030	Gen 2 Slew Gear, Integrated Collar, V5, TTA Assembly, Full	1
21039	Bearing Housing Assembly, 2.4, SR, Heavy	9
21047	First Rail	2
21078	Module Mounting Rail Assembly, 400mm, 14 ga, 63.5mm OS, CH Strap	75
21185	Double Upper Damper Mount Assembly, SRE	2
21186	Lower Damper Mount	4
21193	Damper, Double Tube, Load Limiting, Spherical Rod End	4
21214	Controller Mount Assembly, Integrated, Flat, 2.4	1
30516	SPC Antenna Mount v2 Subassembly	1
41279	End Cap, Plastic	2
51760	Bobtail Pin, 1/4", Grip 2, Twist-On	336
51680	Bobtail Collar, 1/4", Twist On	336
43371	Torque Tube, 1060mm Spacing, 8 + 2 Module, 11.19m, 3mm THK, 67KSI, PRE-GALV, HTC	1
43884	Torque Tube, 1060mm Hole Spacing, 9 Module Bay, 10.210m, 3mm thk, 67ksi, Pre-Galv, HTC	8
48737	Torque Tube, 1060mm Spacing, 2 Module, 2.79m, 3mm thk, 67ksi, Pre-Galv, HTC	1
50735	Nut, Hex, Jam, M10x1.5x8.9 Thk, Class 8.8 Steel, HDG	36
50857	Twistlock Bobtail Pin, M12, Grip 20, D1	74
50858	Twistlock Bobtail Collar, M12, BLX	74
51742	Planetary Gear Brushless Motor, Sensor-less, 150W	1
LR4-72HBD	Panel sola LR4-72HBD	84
60954	Smart Module, 30W	1
71958	Gen 2.2 v2 Motor Pier, W6x15-120	1
73136	Gen 2.2 Damper Slots Array Pier, W6x7-120	5
73189	Gen 2.2 Damper Slots Array Pier, W6x8.5-129	4

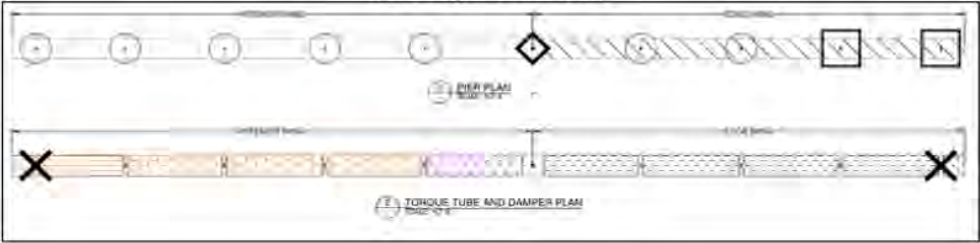


Código	Descripción	Cantidad
2054	Slew Gear Mount	1
5066	Bolt, Cap, Socket Head, M12x1.75x30, Class 8.8 Steel, HDG	2
5070	Blind OM Rivet, 1/2" Diameter, Grip 4	18
5275	Blind OM Rivet, 1/2" Diameter, Grip 06, BL	2
51935	Blind OM Rivet, 1/2" Diameter, Grip 3	46
61415	Smart Module, 40W	1
21016	SPC150-B	1
21030	Gen 2 Slew Gear, Integrated Collar, V5, TTA Assembly, Full	1
21047	First Rail	2
21048	Bearing Housing Assembly, 2.4, SR, Light	9
21078	Module Mounting Rail Assembly, 400mm, 14 ga, 63.5mm OS, CH Strap	75
21185	Double Upper Damper Mount Assembly, SRE	2
21186	Lower Damper Mount	4
21193	Damper, Double Tube, Load Limiting, Spherical Rod End	4
21214	Controller Mount Assembly, Integrated, Flat, 2.4	1
30516	SPC Antenna Mount v2 Subassembly	1
41279	End Cap, Plastic	2
51760	Bobtail Pin, 1/4", Grip 2, Twist-On	336
51680	Bobtail Collar, 1/4", Twist On	336
48259	Torque Tube, 1060mm Spacing, 9 Module, 10.21m, 2.2mm thk, Swage OD 119mm, 60ksi, Pre-Galv, HTC	2
49106	Torque Tube, 1060mm Spacing, 8+2 Module, 11.19m, 2.2mm thk, Swage OD 120.6mm, 60ksi, Pre-Galv, HTC	1
49099	Torque Tube, 1060mm Spacing, 9 Module, 10.21m, 2.2mm thk, Swage OD 120.6mm, 60ksi, Pre-Galv, HTC	6
49100	Torque Tube, 1060mm Spacing, 2 Module, 2.79m, 2.2mm thk, Swage OD 120.6mm, 60ksi, Pre-Galv, HTC	1
50735	Nut, Hex, Jam, M10x1.5x8.9 Thk, Class 8.8 Steel, HDG	36
50857	Twistlock Bobtail Pin, M12 , Grip 20, D1	74
50858	Twistlock Bobtail Collar, M12, BLX	74
51742	Planetary Gear Brushless Motor, Sensor-less, 150W	1
LR4-72HBD	Panel sola LR4-72HBD	84
60954	Smart Module, 30W	1
71958	Gen 2.2 v2 Motor Pier, W6x15-120	1
73136	Gen 2.2 Damper Slots Array Pier, W6x7-120	9



Código	Descripción	Cantidad
2054	Slew Gear Mount	1
5066	Bolt, Cap, Socket Head, M12x1.75x30, Class 8.8 Steel, HDG	2
5070	Blind OM Rivet, 1/2" Diameter, Grip 4	40
5275	Blind OM Rivet, 1/2" Diameter, Grip 06, BL	4
51935	Blind OM Rivet, 1/2" Diameter, Grip 3	22
61415	Smart Module, 40W	1
21016	SPC150-B	1
21030	Gen 2 Slew Gear, Integrated Collar, V5, TTA Assembly, Full	1
21039	Bearing Housing Assembly, 2.4, SR, Heavy	5
21047	First Rail	2
21048	Bearing Housing Assembly, 2.4, SR, Light	4
21078	Module Mounting Rail Assembly, 400mm, 14 ga, 63.5mm OS, CH Strap	75
21185	Double Upper Damper Mount Assembly, SRE	2
21186	Lower Damper Mount	4
21193	Damper, Double Tube, Load Limiting, Spherical Rod End	4
21214	Controller Mount Assembly, Integrated, Flat, 2.4	1
30516	SPC Antenna Mount v2 Subassembly	1
41279	End Cap, Plastic	2
51760	Bobtail Pin, 1/4", Grip 2, Twist-On	336
51680	Bobtail Collar, 1/4", Twist On	336
43371	Torque Tube, 1060mm Spacing, 8 + 2 Module, 11.19m, 3mm THK, 67KSI, PRE-GALV, HTC	1
43884	Torque Tube, 1060mm Hole Spacing, 9 Module Bay, 10.210m, 3mm thk, 67ksi, Pre-Galv, HTC	4
48259	Torque Tube, 1060mm Spacing, 9 Module, 10.21m, 2.2mm thk, Swage OD 119mm, 60ksi, Pre-Galv, HTC	1
49106	Torque Tube, 1060mm Spacing, 8+2 Module, 11.19m, 2.2mm thk, Swage OD 120.6mm, 60ksi, Pre-Galv, HTC	1
49099	Torque Tube, 1060mm Spacing, 9 Module, 10.21m, 2.2mm thk, Swage OD 120.6mm, 60ksi, Pre-Galv, HTC	3
49100	Torque Tube, 1060mm Spacing, 2 Module, 2.79m, 2.2mm thk, Swage OD 120.6mm, 60ksi, Pre-Galv, HTC	1
50735	Nut, Hex, Jam, M10x1.5x8.9 Thk, Class 8.8 Steel, HDG	36
50857	Twistlock Bobtail Pin, M12, Grip 20, D1	74
50858	Twistlock Bobtail Collar, M12, BLX	74
51742	Planetary Gear Brushless Motor, Sensor-less, 150W	1
LR4-72HBD	Panel sola LR4-72HBD	84
60954	Smart Module, 30W	1
71958	Gen 2.2 v2 Motor Pier, W6x15-120	1
73136	Gen 2.2 Damper Slots Array Pier, W6x7-120	7
73189	Gen 2.2 Damper Slots Array Pier, W6x8.5-129	2

Hybrid exposed short wing



Código	Descripción	Cantidad
2054	Slew Gear Mount	1
5066	Bolt, Cap, Socket Head, M12x1.75x30, Class 8.8 Steel, HDG	2
5070	Blind OM Rivet, 1/2" Diameter, Grip 4	40
5275	Blind OM Rivet, 1/2" Diameter, Grip 06, BL	2
51935	Blind OM Rivet, 1/2" Diameter, Grip 3	24
61415	Smart Module, 40W	1
21016	SPC150-B	1
21030	Gen 2 Slew Gear, Integrated Collar, V5, TTA Assembly, Full	1
21039	Bearing Housing Assembly, 2.4, SR, Heavy	4
21047	First Rail	2
21048	Bearing Housing Assembly, 2.4, SR, Light	5
21078	Module Mounting Rail Assembly, 400mm, 14 ga, 63.5mm OS, CH Strap	75
21185	Double Upper Damper Mount Assembly, SRE	2
21186	Lower Damper Mount	4
21193	Damper, Double Tube, Load Limiting, Spherical Rod End	4
21214	Controller Mount Assembly, Integrated, Flat, 2.4	1
30516	SPC Antenna Mount v2 Subassembly	1
41279	End Cap, Plastic	2
51760	Bobtail Pin, 1/4", Grip 2, Twist-On	336
51680	Bobtail Collar, 1/4", Twist On	336
43884	Torque Tube, 1060mm Hole Spacing, 9 Module Bay, 10.210m, 3mm thk, 67ksi, Pre-Galv, HTC	4
48737	Torque Tube, 1060mm Spacing, 2 Module, 2.79m, 3mm thk, 67ksi, Pre-Galv, HTC	1
48259	Torque Tube, 1060mm Spacing, 9 Module, 10.21m, 2.2mm thk, Swage OD 119mm, 60ksi, Pre-Galv, HTC	1
49099	Torque Tube, 1060mm Spacing, 9 Module, 10.21m, 2.2mm thk, Swage OD 120.6mm, 60ksi, Pre-Galv, HTC	3
50735	Nut, Hex, Jam, M10x1.5x8.9 Thk, Class 8.8 Steel, HDG	36
50857	Twistlock Bobtail Pin, M12 , Grip 20, D1	74
50858	Twistlock Bobtail Collar, M12, BLX	74
51742	Planetary Gear Brushless Motor, Sensor-less, 150W	1
LR4-72HBD	Panel sola LR4-72HBD	84
60954	Smart Module, 30W	1
71958	Gen 2.2 v2 Motor Pier, W6x15-120	1
73136	Gen 2.2 Damper Slots Array Pier, W6x7-120	7
73189	Gen 2.2 Damper Slots Array Pier, W6x8.5-129	2

2.6 Technical data

2.6.1 Panels

Mechanical Parameters

Cell Orientation:	144(6x24)
Junction Box:	IP68, three diodes
Output Cable:	4mm ² , positive 400 / negative 200mm length can be customized
Glass:	Dual glass, 2.0mm coated tempered glass
Frame:	Anodized aluminum alloy frame
Weight:	27.5kg
Dimension:	2094×1038×35mm
Packaging:	30pcs per pallet / 150pcs per 20' GP / 660pcs per 40' HC

Electrical Characteristics STC: AM1.5 1000W/m² 25°C

Power Class:	455
Maximum Power (P _{max} /W):	455
Open Circuit Voltage (V _{oc} /V):	49.8
Short Circuit Current (I _{sc} /A):	11.65
Voltage at Maximum Power (V _{mp} /V):	41.6
Current at Maximum Power (I _{mp} /A):	10.93
Module Efficiency(%):	20.9

Operating Parameters

Operational Temperature	-40°C - +85°C
Power Output Tolerance	0 - +5W
V _{oc} and I _s Tolerance	±3%
Maximum System Voltage	DC1500V (IEC/UL)
Maximum Series Fuse Rating	25A
Nominal Operating Cell Temperature	45±2°C
Protection Class	Class II
Fire Rating	UL type 29
Bifaciality	70±5%

Mechanical Loading

Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

Temperature Ratings (STC)

Temperature Coefficient of I _s	+0.050%/°C
Temperature Coefficient of V _{oc}	-0.284%/°C
Temperature Coefficient of max	-0.350%/°C

2.6.2 String Inverter

Input DC

Max. PV input voltage	1500V
Min. PV input voltage	500V
Startup input voltage	500V
Nominal PV input voltage	1160V
MPP voltage range	500V – 1500V
MPP voltage range for nominal power	860V – 1300V
No. of independent MPP inputs	12
Max. number of input connector per MPPT Max.	2
PV input current	30A*12
Max. DC short-circuit current	50A*12

Output DC

AC output power	250 kVA @ 30 °C / 225 kVA @40 °C / 200KVA @ 50 °C 180.5 A
Max. AC output current	180.5 A
Nominal AC voltage	3 / PE, 800 V
AC voltage range	680 – 880V
Nominal grid frequency / Grid frequency range	50 Hz / 45 – 55 Hz, 60 Hz / 55 – 65 Hz
THD	< 3 % (at nominal power)
DC current injection	< 0.5 % In
Power factor at nominal power / Adjustable power factor	> 0.99 / 0.8 leading – 0.8 lagging
Feed-in phases / connection phases	3 / 3

Efficiency

Max. efficiency	99%
European efficiency	98.8%

Protection

DC reverse connection protection	Yes
AC short circuit protection	Yes
Leakage current protection	Yes
Grid monitoring	Yes
Ground fault monitoring	Yes
DC switch	Yes
AC switch	No
PV String current monitoring	Yes
Q at night function	Yes
Anti-PID and PID recovery function	Yes
Overvoltage protection	DC type II / AC Type II

General Data

Dimensions (W*H*D)	1051 * 660 * 363 mm
Weight	99kg
Isolation method	Transformerless
Ingress protection rating	IP66
Night power consumption	< 2 W
Operating ambient temperature range	-30 to 60 °C
Allowable relative humidity range (non-condensing)	0 – 100 %
Cooling method	Smart forced air cooling
Max. operating altitude	5000 m (> 4000 m derating)
Display	LED, Bluetooth+App
Communication	RS485 / PLC
DC connection type	MC4-Evo2 (Max. 6 mm ² , optional 10mm ²)
AC connection type	OT/DT terminal (Max. 300 mm ²)
Compliance	OT/DT terminal (Max. 300 mm ²) IEC 62109, IEC 61727, IEC 62116, IEC 60068, IEC 61683, VDE-AR-N 4110:2018, VDE-AR-N 4120:2018, EN 50549-1/2, UNE 206007- 1:2013, P.O.12.3, UTE C15-712-1:2013
Grid Support	Q at night function, LVVRT, HVVRT, active & reactive power control and power ramp rate control

2.6.3 LV MV Tranformer Cabin

Site Conditions

Temperature min/max	-20°C ~ +40°C
Max. relative humidity	95%
Altitude	2000m above sea level
Design air temperature	40°C
Earthquake (Seismic coefficient)	Seismic level 2
Aux supply	230Vac/50Hz

Design Data

Manufacturer	JSHP
Type	Oil immersed, Conservator Type, Radiator

Purpose

ONAN rated power at full load secondary voltage & at maximum air temperature	6300kVA
Maximum power	7240kVA@25°C
Insulation class	A
Rated power factor	1
Rated frequency	50 HZ
Number of phases	3
N° windings MV	1 Delta connection
N° winding LV	2 stars without neutral connection
Vector group	Dy11y11
Voltage ratio at on-load(MV/LV)	33kV /0.8-0.8kV
Voltage ratio at off-load (MV/LV)	33kV /0.8-0.8kV
LV winding current	2273/2273A
MV winding current	110A
Inrush current	1210A

Inrush current half peak time recovery	0.15s
Off-load current at voltage ratio	0.35%
Off-load losses at voltage ratio	5.4kW
On load losses at 75°C	44kW
Reactance	6.96%
Resistance	0.7%
Short-circuit impedance HV to LV1&LV2	Max. 7%
Short-circuit impedance HV to LV1 (LV2)	11.5%
Short-Circuit impedance LV1 to LV2	18%
Winding material	Aluminum
Zero sequence Reactance(Xo)	N/A
Zero sequence Reactance(Ro)	N/A
Cooling method	ONAN
Service	discontinuous
Neutral earthing	Ungrounded
Sound pressure level at 1m (on load)	60dB (A) according to I.E.C.
Protection degree	IP68 for transformer body, IP54 for other part . of transformer.
Installation	outdoor
Final color	RAL7035
Installation method and oil type	Mineral oil (PCB free) Full Insulationv
Type of insulation M.V. side	36kV
Highest system voltage M.V. side	2 sec
Duration of the symmetrical short-circuit current	70kV
Withstand voltage at power frequency M.V. side	170kV
Impulsive withstand voltage M.V. side	Full Insulation
Type of insulation L.V. side	3.6kV
Highest system voltage L.V. side	10kV
Withstand voltage at power frequency L.V. side	N/A
Impulsive withstand voltage L.V. side	A
Winding insulation class	65K
Average temperature rise winding and alarm/trip settings	alarm and trip optional 60K
Oil temperature rise and alarm/trip settings	95°C/1 0°C
Hot spot max. temperature (100% load) MV	78°C
bushing rated current	630 A
MV bushing rated voltage	35kV
MV bushing insulation level	36 kV According to IEC 60076-3 Indoor
MV bushing type	4000 A
LV bushing rated current	10 kV
LV power frequency withstand voltage LV bushing	3.6 kV
insulation level	Indoor
LV bushing type	

Instrumentation & Accessories

Oil filling device	Filling plug*1
Tank oil draining device	Drain valve*1
Exchanger draining & venting device	N/A
Filter press connections	N/A
Vacuum pump connection	Drain valve*1
Oil sampling device	Drain valve with sampler*1
Thermowell	Thermal pocket*1
Dial thermometer for oil	Oil temperature indicator*1
Temperature detector	Oil RTD - PT100 – 1Un Winding temperature monitoring devices – 1 Un.
Pressure valve	Over pressure valve relay with 2 SPDT aux contact
Fault Pressure relay	N/A
Radiator isolating devices Skids	N/A

Swivel wheels	N/A
Jacking points	Yes
Hooks for horizontal traction	N/A
Lugs for lifting removable	Lifting lug
Lugs for lifting whole machine	Lifting lug
Lugs for lifting cooler	Yes
Earthing terminal	Yes
Control panel of auxiliary devices	N/A
Oil liquid level indicator	Liquid level indicator
Nameplates	2
Openings & Hatches	N/A
H.V. cable supports and clamps	Yes
M.V. cable supports and clamps	Yes
Transformer temperature monitoring device	Yes

Dimensions & weights

Oil Overall length	2880mm
Overall width	2100mm
Overall height	2510mm
Total weight	15000kg
Oil weight	3500kg
Active part length	2388mm
Active part width	1018mm
Active part height	2560mm
Active part weight	6200kg

2.6.4 Tracker

BRUSHLESS DC MOTOR SPECIFICATIONS

Protection Class	IP65
Isolation Class	EN62114
Certification	120C) UL 1004-1
Operating Temperature	-40°C – 85°C
Motor Type	Brushless
Wight	1.7kg
Relative Humidity	0-95%
Nominal Voltage	24 VDC
Motor Continuous Current (85C)	<6.25A
No load Current at 24VDC(85C)	<1A
Max Power at Rated Torque	150W
Rated gear output torque	150 Nm

SLEW GEAR SPECIFICATIONS

Protection Class	IP55 per IEC60529
Ambient Temp. Range	-40Cto 60C
Housing Material	Ductile Iron
Rotation Range	±65°
Weight	77.5kg
Normal Output Torque, min	± 2000 N-m
High Output Torque, min	± 5000 N-m

3. Actual conditions

All material is stored outdoors in two adjacent areas. All material is still in their original packaging. The Original Equipment Manufacturer warranty is still in force. This material was delivered in 2021, the technology is up to date. The products available are of high quality and the quantity available is relevant.



Figura 5: Storage status 1



Figura 6: Storage status 2





Figura 8: Panels storage condition



Figura 7: Panels storage condition 2

3.1 Part number and Serial numbers

3.1.1 String Inverter

Inverter unit	OEM	Model	Serial
1	Sungrow	SG250HX-V116_S	A2172300485
2	Sungrow	SG250HX-V116_S	A2172300495
3	Sungrow	SG250HX-V116_S	A2172300497
4	Sungrow	SG250HX-V116_S	A2172300498
5	Sungrow	SG250HX-V116_S	A2172300501
6	Sungrow	SG250HX-V116_S	A2172300505
7	Sungrow	SG250HX-V116_S	A2172300506
8	Sungrow	SG250HX-V116_S	A2172300507
9	Sungrow	SG250HX-V116_S	A2172300508
10	Sungrow	SG250HX-V116_S	A2172300509
11	Sungrow	SG250HX-V116_S	A2172300511
12	Sungrow	SG250HX-V116_S	A2172300515
13	Sungrow	SG250HX-V116_S	A2172300516
14	Sungrow	SG250HX-V116_S	A2172300517
15	Sungrow	SG250HX-V116_S	A2172300522
16	Sungrow	SG250HX-V116_S	A2172300524
17	Sungrow	SG250HX-V116_S	A2172300525
18	Sungrow	SG250HX-V116_S	A2172300527
19	Sungrow	SG250HX-V116_S	A2172300529
20	Sungrow	SG250HX-V116_S	A2172300531
21	Sungrow	SG250HX-V116_S	A2172300532
22	Sungrow	SG250HX-V116_S	A2172300536
23	Sungrow	SG250HX-V116_S	A2172300540
24	Sungrow	SG250HX-V116_S	A2172300543
25	Sungrow	SG250HX-V116_S	A2172300544
26	Sungrow	SG250HX-V116_S	A2172300545
27	Sungrow	SG250HX-V116_S	A2172300546
28	Sungrow	SG250HX-V116_S	A2172300547
29	Sungrow	SG250HX-V116_S	A2172300548
30	Sungrow	SG250HX-V116_S	A2172300549
31	Sungrow	SG250HX-V116_S	A2172300550
32	Sungrow	SG250HX-V116_S	A2172300551
33	Sungrow	SG250HX-V116_S	A2172300552
34	Sungrow	SG250HX-V116_S	A2172300553
35	Sungrow	SG250HX-V116_S	A2172300554
36	Sungrow	SG250HX-V116_S	A2172300555
37	Sungrow	SG250HX-V116_S	A2172300556
38	Sungrow	SG250HX-V116_S	A2172300557
39	Sungrow	SG250HX-V116_S	A2172300558
40	Sungrow	SG250HX-V116_S	A2172300559

41	Sungrow	SG250HX-V116_S	A2172300560
42	Sungrow	SG250HX-V116_S	A2172300561
43	Sungrow	SG250HX-V116_S	A2172300562
44	Sungrow	SG250HX-V116_S	A2172300563
45	Sungrow	SG250HX-V116_S	A2172300564
46	Sungrow	SG250HX-V116_S	A2172300565
47	Sungrow	SG250HX-V116_S	A2172300566
48	Sungrow	SG250HX-V116_S	A2172300567
49	Sungrow	SG250HX-V116_S	A2172300568
50	Sungrow	SG250HX-V116_S	A2172300570
51	Sungrow	SG250HX-V116_S	A2172300571
52	Sungrow	SG250HX-V116_S	A2172300572
53	Sungrow	SG250HX-V116_S	A2172300573
54	Sungrow	SG250HX-V116_S	A2172300574
55	Sungrow	SG250HX-V116_S	A2172300575
56	Sungrow	SG250HX-V116_S	A2172300576
57	Sungrow	SG250HX-V116_S	A2172300577
58	Sungrow	SG250HX-V116_S	A2172300578
59	Sungrow	SG250HX-V116_S	A2172300579
60	Sungrow	SG250HX-V116_S	A2172300580
61	Sungrow	SG250HX-V116_S	A2172300583
62	Sungrow	SG250HX-V116_S	A2172300584
63	Sungrow	SG250HX-V116_S	A2172300585
64	Sungrow	SG250HX-V116_S	A2172300586
65	Sungrow	SG250HX-V116_S	A2172300587
66	Sungrow	SG250HX-V116_S	A2172300588
67	Sungrow	SG250HX-V116_S	A2172300589
68	Sungrow	SG250HX-V116_S	A2172300590
69	Sungrow	SG250HX-V116_S	A2172300591
70	Sungrow	SG250HX-V116_S	A2172300592
71	Sungrow	SG250HX-V116_S	A2172300593
72	Sungrow	SG250HX-V116_S	A2172300595
73	Sungrow	SG250HX-V116_S	A2172300596
74	Sungrow	SG250HX-V116_S	A2172300597
75	Sungrow	SG250HX-V116_S	A2172300598
76	Sungrow	SG250HX-V116_S	A2172300599
77	Sungrow	SG250HX-V116_S	A2172300600
78	Sungrow	SG250HX-V116_S	A2172300601
79	Sungrow	SG250HX-V116_S	A2172300602
80	Sungrow	SG250HX-V116_S	A2172300603
81	Sungrow	SG250HX-V116_S	A2172300604
82	Sungrow	SG250HX-V116_S	A2172300605
83	Sungrow	SG250HX-V116_S	A2172300606
84	Sungrow	SG250HX-V116_S	A2172300607
85	Sungrow	SG250HX-V116_S	A2172300608

86	Sungrow	SG250HX-V116_S	A2172300609
87	Sungrow	SG250HX-V116_S	A2172300610
88	Sungrow	SG250HX-V116_S	A2172300611
89	Sungrow	SG250HX-V116_S	A2172300612
90	Sungrow	SG250HX-V116_S	A2172300613
91	Sungrow	SG250HX-V116_S	A2172300614
92	Sungrow	SG250HX-V116_S	A2172300615
93	Sungrow	SG250HX-V116_S	A2172300616
94	Sungrow	SG250HX-V116_S	A2172300617
95	Sungrow	SG250HX-V116_S	A2172300618
96	Sungrow	SG250HX-V116_S	A2172300619
97	Sungrow	SG250HX-V116_S	A2172300620
98	Sungrow	SG250HX-V116_S	A2172300621
99	Sungrow	SG250HX-V116_S	A2172300624
100	Sungrow	SG250HX-V116_S	A2172300625
101	Sungrow	SG250HX-V116_S	A2172300626
102	Sungrow	SG250HX-V116_S	A2172300627
103	Sungrow	SG250HX-V116_S	A2172300628
104	Sungrow	SG250HX-V116_S	A2172300631
105	Sungrow	SG250HX-V116_S	A2172300632
106	Sungrow	SG250HX-V116_S	A2172300633
107	Sungrow	SG250HX-V116_S	A2172300634
108	Sungrow	SG250HX-V116_S	A2172300638
109	Sungrow	SG250HX-V116_S	A2172300639
110	Sungrow	SG250HX-V116_S	A2172300641
111	Sungrow	SG250HX-V116_S	A2172300642
112	Sungrow	SG250HX-V116_S	A2172300644
113	Sungrow	SG250HX-V116_S	A2172300645
114	Sungrow	SG250HX-V116_S	A2172300646
115	Sungrow	SG250HX-V116_S	A2172300647
116	Sungrow	SG250HX-V116_S	A2172300648
117	Sungrow	SG250HX-V116_S	A2172300649
118	Sungrow	SG250HX-V116_S	A2172300650
119	Sungrow	SG250HX-V116_S	A2172300651
120	Sungrow	SG250HX-V116_S	A2172300652
121	Sungrow	SG250HX-V116_S	A2172300653
122	Sungrow	SG250HX-V116_S	A2172300654
123	Sungrow	SG250HX-V116_S	A2172300655
124	Sungrow	SG250HX-V116_S	A2172300656
125	Sungrow	SG250HX-V116_S	A2172300657
126	Sungrow	SG250HX-V116_S	A2172300658
127	Sungrow	SG250HX-V116_S	A2172300659
128	Sungrow	SG250HX-V116_S	A2172300660
129	Sungrow	SG250HX-V116_S	A2172300661
130	Sungrow	SG250HX-V116_S	A2172300662

131	Sungrow	SG250HX-V116_S	A2172300663
132	Sungrow	SG250HX-V116_S	A2172300664
133	Sungrow	SG250HX-V116_S	A2172300665
134	Sungrow	SG250HX-V116_S	A2172300666
135	Sungrow	SG250HX-V116_S	A2172300668
136	Sungrow	SG250HX-V116_S	A2172300669
137	Sungrow	SG250HX-V116_S	A2172300670
138	Sungrow	SG250HX-V116_S	A2172300672
139	Sungrow	SG250HX-V116_S	A2172300673
140	Sungrow	SG250HX-V116_S	A2172300674
141	Sungrow	SG250HX-V116_S	A2172300675
142	Sungrow	SG250HX-V116_S	A2172300676
143	Sungrow	SG250HX-V116_S	A2172400022
144	Sungrow	SG250HX-V116_S	A2172400023
145	Sungrow	SG250HX-V116_S	A2172400024
146	Sungrow	SG250HX-V116_S	A2172400025
147	Sungrow	SG250HX-V116_S	A2172400030
148	Sungrow	SG250HX-V116_S	A2172400032
149	Sungrow	SG250HX-V116_S	A2172400033
150	Sungrow	SG250HX-V116_S	A2172400034
151	Sungrow	SG250HX-V116_S	A2172400035
152	Sungrow	SG250HX-V116_S	A2172400036
153	Sungrow	SG250HX-V116_S	A2172400037
154	Sungrow	SG250HX-V116_S	A2172400038
155	Sungrow	SG250HX-V116_S	A2172400039
156	Sungrow	SG250HX-V116_S	A2172400041
157	Sungrow	SG250HX-V116_S	A2172400042
158	Sungrow	SG250HX-V116_S	A2172400043
159	Sungrow	SG250HX-V116_S	A2172400045
160	Sungrow	SG250HX-V116_S	A2172400047
161	Sungrow	SG250HX-V116_S	A2172400048
162	Sungrow	SG250HX-V116_S	A2172400049
163	Sungrow	SG250HX-V116_S	A2172400055
164	Sungrow	SG250HX-V116_S	A2172400056
165	Sungrow	SG250HX-V116_S	A2172400060
166	Sungrow	SG250HX-V116_S	A2172400061
167	Sungrow	SG250HX-V116_S	A2172400062
168	Sungrow	SG250HX-V116_S	A2172400065
169	Sungrow	SG250HX-V116_S	A2172400070
170	Sungrow	SG250HX-V116_S	A2172400071
171	Sungrow	SG250HX-V116_S	A2172400073
172	Sungrow	SG250HX-V116_S	A2172400074
173	Sungrow	SG250HX-V116_S	A2172400075
174	Sungrow	SG250HX-V116_S	A2172400076
175	Sungrow	SG250HX-V116_S	A2172400077

176	Sungrow	SG250HX-V116_S	A2172400078
177	Sungrow	SG250HX-V116_S	A2172400080
178	Sungrow	SG250HX-V116_S	A2172400082
179	Sungrow	SG250HX-V116_S	A2172400083
180	Sungrow	SG250HX-V116_S	A2172400084
181	Sungrow	SG250HX-V116_S	A2172400085
182	Sungrow	SG250HX-V116_S	A2172400086
183	Sungrow	SG250HX-V116_S	A2172400087
184	Sungrow	SG250HX-V116_S	A2172400088
185	Sungrow	SG250HX-V116_S	A2172400089
186	Sungrow	SG250HX-V116_S	A2172400090
187	Sungrow	SG250HX-V116_S	A2172400091
188	Sungrow	SG250HX-V116_S	A2172400092
189	Sungrow	SG250HX-V116_S	A2172400093
190	Sungrow	SG250HX-V116_S	A2172400094
191	Sungrow	SG250HX-V116_S	A2172400096
192	Sungrow	SG250HX-V116_S	A2172400099
193	Sungrow	SG250HX-V116_S	A2172400100
194	Sungrow	SG250HX-V116_S	A2172400101
195	Sungrow	SG250HX-V116_S	A2172400102
196	Sungrow	SG250HX-V116_S	A2172400103
197	Sungrow	SG250HX-V116_S	A2172400108
198	Sungrow	SG250HX-V116_S	A2172400109
199	Sungrow	SG250HX-V116_S	A2172400110
200	Sungrow	SG250HX-V116_S	A2172400111
201	Sungrow	SG250HX-V116_S	A2172400112
202	Sungrow	SG250HX-V116_S	A2172400113
203	Sungrow	SG250HX-V116_S	A2172400114
204	Sungrow	SG250HX-V116_S	A2172400115
205	Sungrow	SG250HX-V116_S	A2172400116
206	Sungrow	SG250HX-V116_S	A2172400117
207	Sungrow	SG250HX-V116_S	A2172400118
208	Sungrow	SG250HX-V116_S	A2172400119
209	Sungrow	SG250HX-V116_S	A2172400120
210	Sungrow	SG250HX-V116_S	A2172400121
211	Sungrow	SG250HX-V116_S	A2172400122
212	Sungrow	SG250HX-V116_S	A2172400123
213	Sungrow	SG250HX-V116_S	A2172400124
214	Sungrow	SG250HX-V116_S	A2172400125
215	Sungrow	SG250HX-V116_S	A2172400126
216	Sungrow	SG250HX-V116_S	A2172400127
217	Sungrow	SG250HX-V116_S	A2172400128
218	Sungrow	SG250HX-V116_S	A2172400129
219	Sungrow	SG250HX-V116_S	A2172400130
220	Sungrow	SG250HX-V116_S	A2172400131

221	Sungrow	SG250HX-V116_S	A2172400132
222	Sungrow	SG250HX-V116_S	A2172400133
223	Sungrow	SG250HX-V116_S	A2172400134
224	Sungrow	SG250HX-V116_S	A2172400135
225	Sungrow	SG250HX-V116_S	A2172400136
226	Sungrow	SG250HX-V116_S	A2172400137
227	Sungrow	SG250HX-V116_S	A2172400138
228	Sungrow	SG250HX-V116_S	A2172400139
229	Sungrow	SG250HX-V116_S	A2172400140
230	Sungrow	SG250HX-V116_S	A2172400141
231	Sungrow	SG250HX-V116_S	A2172400142
232	Sungrow	SG250HX-V116_S	A2172400143
233	Sungrow	SG250HX-V116_S	A2172400144
234	Sungrow	SG250HX-V116_S	A2172400145
235	Sungrow	SG250HX-V116_S	A2172400146
236	Sungrow	SG250HX-V116_S	A2172400147
237	Sungrow	SG250HX-V116_S	A2172400148
238	Sungrow	SG250HX-V116_S	A2172400149
239	Sungrow	SG250HX-V116_S	A2172400150
240	Sungrow	SG250HX-V116_S	A2172400151
241	Sungrow	SG250HX-V116_S	A2172400152
242	Sungrow	SG250HX-V116_S	A2172400153
243	Sungrow	SG250HX-V116_S	A2172400154
244	Sungrow	SG250HX-V116_S	A2172400155
245	Sungrow	SG250HX-V116_S	A2172400156
246	Sungrow	SG250HX-V116_S	A2172400159
247	Sungrow	SG250HX-V116_S	A2172400160
248	Sungrow	SG250HX-V116_S	A2172400161
249	Sungrow	SG250HX-V116_S	A2172400162
250	Sungrow	SG250HX-V116_S	A2172400164
251	Sungrow	SG250HX-V116_S	A2172400165
252	Sungrow	SG250HX-V116_S	A2172400166
253	Sungrow	SG250HX-V116_S	A2172400167
254	Sungrow	SG250HX-V116_S	A2172400168
255	Sungrow	SG250HX-V116_S	A2172400169
256	Sungrow	SG250HX-V116_S	A2172400171
257	Sungrow	SG250HX-V116_S	A2172400173
258	Sungrow	SG250HX-V116_S	A2172400181
259	Sungrow	SG250HX-V116_S	A2172400182
260	Sungrow	SG250HX-V116_S	A2172400183
261	Sungrow	SG250HX-V116_S	A2172400185
262	Sungrow	SG250HX-V116_S	A2172400186
263	Sungrow	SG250HX-V116_S	A2172400187
264	Sungrow	SG250HX-V116_S	A2172400188
265	Sungrow	SG250HX-V116_S	A2172400189

266	Sungrow	SG250HX-V116_S	A2172400192
267	Sungrow	SG250HX-V116_S	A2172400193
268	Sungrow	SG250HX-V116_S	A2172400195
269	Sungrow	SG250HX-V116_S	A2172400196
270	Sungrow	SG250HX-V116_S	A2172400197
271	Sungrow	SG250HX-V116_S	A2172400198
272	Sungrow	SG250HX-V116_S	A2172400201
273	Sungrow	SG250HX-V116_S	A2172400202
274	Sungrow	SG250HX-V116_S	A2172400203
275	Sungrow	SG250HX-V116_S	A2172400204
276	Sungrow	SG250HX-V116_S	A2172400205
277	Sungrow	SG250HX-V116_S	A2172400207
278	Sungrow	SG250HX-V116_S	A2172400209
279	Sungrow	SG250HX-V116_S	A2172400211
280	Sungrow	SG250HX-V116_S	A2172400212
281	Sungrow	SG250HX-V116_S	A2172400213
282	Sungrow	SG250HX-V116_S	A2172400215
283	Sungrow	SG250HX-V116_S	A2172400218
284	Sungrow	SG250HX-V116_S	A2172400219
285	Sungrow	SG250HX-V116_S	A2173103659
286	Sungrow	SG250HX-V116_S	A2173103660
287	Sungrow	SG250HX-V116_S	A2173103661
288	Sungrow	SG250HX-V116_S	A2173103663
289	Sungrow	SG250HX-V116_S	A2173103664
290	Sungrow	SG250HX-V116_S	A2173103665
291	Sungrow	SG250HX-V116_S	A2173103666
292	Sungrow	SG250HX-V116_S	A2173103667
293	Sungrow	SG250HX-V116_S	A2173103668
294	Sungrow	SG250HX-V116_S	A2173103669
295	Sungrow	SG250HX-V116_S	A2173103671
296	Sungrow	SG250HX-V116_S	A2173103672
297	Sungrow	SG250HX-V116_S	A2173103674
298	Sungrow	SG250HX-V116_S	A2173103676
299	Sungrow	SG250HX-V116_S	A2173103677
300	Sungrow	SG250HX-V116_S	A2173103678
301	Sungrow	SG250HX-V116_S	A2173103680
302	Sungrow	SG250HX-V116_S	A2173103688
303	Sungrow	SG250HX-V116_S	A2173103689
304	Sungrow	SG250HX-V116_S	A2173103691
305	Sungrow	SG250HX-V116_S	A2173103692
306	Sungrow	SG250HX-V116_S	A2173103693
307	Sungrow	SG250HX-V116_S	A2173103695
308	Sungrow	SG250HX-V116_S	A2173103696
309	Sungrow	SG250HX-V116_S	A2173103697
310	Sungrow	SG250HX-V116_S	A2173103698

311	Sungrow	SG250HX-V116_S	A2173103700
312	Sungrow	SG250HX-V116_S	A2173103701
313	Sungrow	SG250HX-V116_S	A2173103702
314	Sungrow	SG250HX-V116_S	A2173103703
315	Sungrow	SG250HX-V116_S	A2173103705
316	Sungrow	SG250HX-V116_S	A2173103707
317	Sungrow	SG250HX-V116_S	A2173103708
318	Sungrow	SG250HX-V116_S	A2173103710
319	Sungrow	SG250HX-V116_S	A2173103711
320	Sungrow	SG250HX-V116_S	A2173103713
321	Sungrow	SG250HX-V116_S	A2173103721
322	Sungrow	SG250HX-V116_S	A2173103736
323	Sungrow	SG250HX-V116_S	A2173103739
324	Sungrow	SG250HX-V116_S	A2173103746
325	Sungrow	SG250HX-V116_S	A2173103747
326	Sungrow	SG250HX-V116_S	A2173103751
327	Sungrow	SG250HX-V116_S	A2173103759
328	Sungrow	SG250HX-V116_S	A2173103763
329	Sungrow	SG250HX-V116_S	A2173103764
330	Sungrow	SG250HX-V116_S	A2173103773
331	Sungrow	SG250HX-V116_S	A2173103776
332	Sungrow	SG250HX-V116_S	A2173103780
333	Sungrow	SG250HX-V116_S	A2173103782
334	Sungrow	SG250HX-V116_S	A2173103795
335	Sungrow	SG250HX-V116_S	A2173103797
336	Sungrow	SG250HX-V116_S	A2173103816
337	Sungrow	SG250HX-V116_S	A2173103818
338	Sungrow	SG250HX-V116_S	A2173103831
339	Sungrow	SG250HX-V116_S	A2180302775
340	Sungrow	SG250HX-V116_S	A2180302778
341	Sungrow	SG250HX-V116_S	A2180302805
342	Sungrow	SG250HX-V116_S	A2180302810
343	Sungrow	SG250HX-V116_S	A2180302819
344	Sungrow	SG250HX-V116_S	A2180302822
345	Sungrow	SG250HX-V116_S	A2180302824
346	Sungrow	SG250HX-V116_S	A2180302827
347	Sungrow	SG250HX-V116_S	A2180302828
348	Sungrow	SG250HX-V116_S	A2180302833
349	Sungrow	SG250HX-V116_S	A2180302846
350	Sungrow	SG250HX-V116_S	A2180302847
351	Sungrow	SG250HX-V116_S	A2180302853
352	Sungrow	SG250HX-V116_S	A2180302891
353	Sungrow	SG250HX-V116_S	A2180302893
354	Sungrow	SG250HX-V116_S	A2180302895
355	Sungrow	SG250HX-V116_S	A2172300479

356	Sungrow	SG250HX-V116_S	A2172300480
357	Sungrow	SG250HX-V116_S	A2172300481
358	Sungrow	SG250HX-V116_S	A2172300482
359	Sungrow	SG250HX-V116_S	A2172300483
360	Sungrow	SG250HX-V116_S	A2172300484
361	Sungrow	SG250HX-V116_S	A2172300486
362	Sungrow	SG250HX-V116_S	A2172300487
363	Sungrow	SG250HX-V116_S	A2172300488
364	Sungrow	SG250HX-V116_S	A2172300489
365	Sungrow	SG250HX-V116_S	A2172300490
366	Sungrow	SG250HX-V116_S	A2172300491
367	Sungrow	SG250HX-V116_S	A2172300492
368	Sungrow	SG250HX-V116_S	A2172300493
369	Sungrow	SG250HX-V116_S	A2172300494
370	Sungrow	SG250HX-V116_S	A2172300496
371	Sungrow	SG250HX-V116_S	A2172300499
372	Sungrow	SG250HX-V116_S	A2172300500
373	Sungrow	SG250HX-V116_S	A2172300502
374	Sungrow	SG250HX-V116_S	A2172300503
375	Sungrow	SG250HX-V116_S	A2172300504
376	Sungrow	SG250HX-V116_S	A2172300510
377	Sungrow	SG250HX-V116_S	A2172300512
378	Sungrow	SG250HX-V116_S	A2172300513
379	Sungrow	SG250HX-V116_S	A2172300514
380	Sungrow	SG250HX-V116_S	A2172300518
381	Sungrow	SG250HX-V116_S	A2172300519
382	Sungrow	SG250HX-V116_S	A2172300520
383	Sungrow	SG250HX-V116_S	A2172300521
384	Sungrow	SG250HX-V116_S	A2172300523
385	Sungrow	SG250HX-V116_S	A2172300526
386	Sungrow	SG250HX-V116_S	A2172300528
387	Sungrow	SG250HX-V116_S	A2172300530
388	Sungrow	SG250HX-V116_S	A2172300533
389	Sungrow	SG250HX-V116_S	A2172300534
390	Sungrow	SG250HX-V116_S	A2172300535
391	Sungrow	SG250HX-V116_S	A2172300537
392	Sungrow	SG250HX-V116_S	A2172300538
393	Sungrow	SG250HX-V116_S	A2172300539
394	Sungrow	SG250HX-V116_S	A2172300541
395	Sungrow	SG250HX-V116_S	A2172300542
396	Sungrow	SG250HX-V116_S	A2172300569
397	Sungrow	SG250HX-V116_S	A2172300581
398	Sungrow	SG250HX-V116_S	A2172300582
399	Sungrow	SG250HX-V116_S	A2172300594
400	Sungrow	SG250HX-V116_S	A2172300622

401	Sungrow	SG250HX-V116_S	A2172300629
402	Sungrow	SG250HX-V116_S	A2172300630
403	Sungrow	SG250HX-V116_S	A2172300635
404	Sungrow	SG250HX-V116_S	A2172300636
405	Sungrow	SG250HX-V116_S	A2172300637
406	Sungrow	SG250HX-V116_S	A2172300643
407	Sungrow	SG250HX-V116_S	A2172300667
408	Sungrow	SG250HX-V116_S	A2172300671
409	Sungrow	SG250HX-V116_S	A2172300677
410	Sungrow	SG250HX-V116_S	A2172300678
411	Sungrow	SG250HX-V116_S	A2172400020
412	Sungrow	SG250HX-V116_S	A2172400021
413	Sungrow	SG250HX-V116_S	A2172400026
414	Sungrow	SG250HX-V116_S	A2172400027
415	Sungrow	SG250HX-V116_S	A2172400028
416	Sungrow	SG250HX-V116_S	A2172400029
417	Sungrow	SG250HX-V116_S	A2172400031
418	Sungrow	SG250HX-V116_S	A2172400040
419	Sungrow	SG250HX-V116_S	A2172400044
420	Sungrow	SG250HX-V116_S	A2172400046
421	Sungrow	SG250HX-V116_S	A2172400050
422	Sungrow	SG250HX-V116_S	A2172400051
423	Sungrow	SG250HX-V116_S	A2172400052
424	Sungrow	SG250HX-V116_S	A2172400053
425	Sungrow	SG250HX-V116_S	A2172400054
426	Sungrow	SG250HX-V116_S	A2172400057
427	Sungrow	SG250HX-V116_S	A2172400059
428	Sungrow	SG250HX-V116_S	A2172400063
429	Sungrow	SG250HX-V116_S	A2172400064
430	Sungrow	SG250HX-V116_S	A2172400066
431	Sungrow	SG250HX-V116_S	A2172400067
432	Sungrow	SG250HX-V116_S	A2172400068
433	Sungrow	SG250HX-V116_S	A2172400069
434	Sungrow	SG250HX-V116_S	A2172400072
435	Sungrow	SG250HX-V116_S	A2172400079
436	Sungrow	SG250HX-V116_S	A2172400081
437	Sungrow	SG250HX-V116_S	A2172400095
438	Sungrow	SG250HX-V116_S	A2172400097
439	Sungrow	SG250HX-V116_S	A2172400098
440	Sungrow	SG250HX-V116_S	A2172400104
441	Sungrow	SG250HX-V116_S	A2172400105
442	Sungrow	SG250HX-V116_S	A2172400106
443	Sungrow	SG250HX-V116_S	A2172400107
444	Sungrow	SG250HX-V116_S	A2172400157
445	Sungrow	SG250HX-V116_S	A2172400158

446	Sungrow	SG250HX-V116_S	A2172400163
447	Sungrow	SG250HX-V116_S	A2172400170
448	Sungrow	SG250HX-V116_S	A2172400174
449	Sungrow	SG250HX-V116_S	A2172400175
450	Sungrow	SG250HX-V116_S	A2172400176
451	Sungrow	SG250HX-V116_S	A2172400177
452	Sungrow	SG250HX-V116_S	A2172400178
453	Sungrow	SG250HX-V116_S	A2172400179
454	Sungrow	SG250HX-V116_S	A2172400180
455	Sungrow	SG250HX-V116_S	A2172400184
456	Sungrow	SG250HX-V116_S	A2172400190
457	Sungrow	SG250HX-V116_S	A2172400191
458	Sungrow	SG250HX-V116_S	A2172400194
459	Sungrow	SG250HX-V116_S	A2172400199
460	Sungrow	SG250HX-V116_S	A2172400200
461	Sungrow	SG250HX-V116_S	A2172400206
462	Sungrow	SG250HX-V116_S	A2172400208
463	Sungrow	SG250HX-V116_S	A2172400210
464	Sungrow	SG250HX-V116_S	A2172400214
465	Sungrow	SG250HX-V116_S	A2172400216
466	Sungrow	SG250HX-V116_S	A2172400217
467	Sungrow	SG250HX-V116_S	A2173103670
468	Sungrow	SG250HX-V116_S	A2173103673
469	Sungrow	SG250HX-V116_S	A2173103675
470	Sungrow	SG250HX-V116_S	A2173103679
471	Sungrow	SG250HX-V116_S	A2173103681
472	Sungrow	SG250HX-V116_S	A2173103682
473	Sungrow	SG250HX-V116_S	A2173103683
474	Sungrow	SG250HX-V116_S	A2173103684
475	Sungrow	SG250HX-V116_S	A2173103685
476	Sungrow	SG250HX-V116_S	A2173103686
477	Sungrow	SG250HX-V116_S	A2173103687
478	Sungrow	SG250HX-V116_S	A2173103690
479	Sungrow	SG250HX-V116_S	A2173103699
480	Sungrow	SG250HX-V116_S	A2173103704
481	Sungrow	SG250HX-V116_S	A2173103706
482	Sungrow	SG250HX-V116_S	A2173103709
483	Sungrow	SG250HX-V116_S	A2173103712
484	Sungrow	SG250HX-V116_S	A2173103714
485	Sungrow	SG250HX-V116_S	A2173103715
486	Sungrow	SG250HX-V116_S	A2173103716
487	Sungrow	SG250HX-V116_S	A2173103717
488	Sungrow	SG250HX-V116_S	A2173103718
489	Sungrow	SG250HX-V116_S	A2173103719
490	Sungrow	SG250HX-V116_S	A2173103720

491	Sungrow	SG250HX-V116_S	A2173103722
492	Sungrow	SG250HX-V116_S	A2173103723
493	Sungrow	SG250HX-V116_S	A2173103724
494	Sungrow	SG250HX-V116_S	A2173103726
495	Sungrow	SG250HX-V116_S	A2173103727
496	Sungrow	SG250HX-V116_S	A2173103728
497	Sungrow	SG250HX-V116_S	A2173103730
498	Sungrow	SG250HX-V116_S	A2173103732
499	Sungrow	SG250HX-V116_S	A2173103733
500	Sungrow	SG250HX-V116_S	A2173103734
501	Sungrow	SG250HX-V116_S	A2173103735
502	Sungrow	SG250HX-V116_S	A2173103737
503	Sungrow	SG250HX-V116_S	A2173103738
504	Sungrow	SG250HX-V116_S	A2173103740
505	Sungrow	SG250HX-V116_S	A2173103741
506	Sungrow	SG250HX-V116_S	A2173103742
507	Sungrow	SG250HX-V116_S	A2173103743
508	Sungrow	SG250HX-V116_S	A2173103744
509	Sungrow	SG250HX-V116_S	A2173103745
510	Sungrow	SG250HX-V116_S	A2173103748
511	Sungrow	SG250HX-V116_S	A2173103749
512	Sungrow	SG250HX-V116_S	A2173103750
513	Sungrow	SG250HX-V116_S	A2173103752
514	Sungrow	SG250HX-V116_S	A2173103753
515	Sungrow	SG250HX-V116_S	A2173103754
516	Sungrow	SG250HX-V116_S	A2173103755
517	Sungrow	SG250HX-V116_S	A2173103756
518	Sungrow	SG250HX-V116_S	A2173103757
519	Sungrow	SG250HX-V116_S	A2173103758
520	Sungrow	SG250HX-V116_S	A2173103760
521	Sungrow	SG250HX-V116_S	A2173103761
522	Sungrow	SG250HX-V116_S	A2173103762
523	Sungrow	SG250HX-V116_S	A2173103765
524	Sungrow	SG250HX-V116_S	A2173103766
525	Sungrow	SG250HX-V116_S	A2173103767
526	Sungrow	SG250HX-V116_S	A2173103768
527	Sungrow	SG250HX-V116_S	A2173103769
528	Sungrow	SG250HX-V116_S	A2173103770
529	Sungrow	SG250HX-V116_S	A2173103771
530	Sungrow	SG250HX-V116_S	A2173103772
531	Sungrow	SG250HX-V116_S	A2173103774
532	Sungrow	SG250HX-V116_S	A2173103775
533	Sungrow	SG250HX-V116_S	A2173103777
534	Sungrow	SG250HX-V116_S	A2173103778
535	Sungrow	SG250HX-V116_S	A2173103779

536	Sungrow	SG250HX-V116_S	A2173103781
537	Sungrow	SG250HX-V116_S	A2173103783
538	Sungrow	SG250HX-V116_S	A2173103784
539	Sungrow	SG250HX-V116_S	A2173103786
540	Sungrow	SG250HX-V116_S	A2173103787
541	Sungrow	SG250HX-V116_S	A2173103788
542	Sungrow	SG250HX-V116_S	A2173103789
543	Sungrow	SG250HX-V116_S	A2173103790
544	Sungrow	SG250HX-V116_S	A2173103791
545	Sungrow	SG250HX-V116_S	A2173103792
546	Sungrow	SG250HX-V116_S	A2173103793
547	Sungrow	SG250HX-V116_S	A2173103796
548	Sungrow	SG250HX-V116_S	A2173103801
549	Sungrow	SG250HX-V116_S	A2173103802
550	Sungrow	SG250HX-V116_S	A2173103803
551	Sungrow	SG250HX-V116_S	A2173103804
552	Sungrow	SG250HX-V116_S	A2173103805
553	Sungrow	SG250HX-V116_S	A2173103806
554	Sungrow	SG250HX-V116_S	A2173103807
555	Sungrow	SG250HX-V116_S	A2173103808
556	Sungrow	SG250HX-V116_S	A2173103809
557	Sungrow	SG250HX-V116_S	A2173103810
558	Sungrow	SG250HX-V116_S	A2173103811
559	Sungrow	SG250HX-V116_S	A2173103812
560	Sungrow	SG250HX-V116_S	A2173103813
561	Sungrow	SG250HX-V116_S	A2173103814
562	Sungrow	SG250HX-V116_S	A2173103815
563	Sungrow	SG250HX-V116_S	A2173103817
564	Sungrow	SG250HX-V116_S	A2173103819
565	Sungrow	SG250HX-V116_S	A2173103820
566	Sungrow	SG250HX-V116_S	A2173103821
567	Sungrow	SG250HX-V116_S	A2173103822
568	Sungrow	SG250HX-V116_S	A2173103824
569	Sungrow	SG250HX-V116_S	A2173103825
570	Sungrow	SG250HX-V116_S	A2173103826
571	Sungrow	SG250HX-V116_S	A2173103827
572	Sungrow	SG250HX-V116_S	A2173103828
573	Sungrow	SG250HX-V116_S	A2173103829
574	Sungrow	SG250HX-V116_S	A2173103830
575	Sungrow	SG250HX-V116_S	A2173103832
576	Sungrow	SG250HX-V116_S	A2173103833
577	Sungrow	SG250HX-V116_S	A2173103834
578	Sungrow	SG250HX-V116_S	A2173103835
579	Sungrow	SG250HX-V116_S	A2173103836
580	Sungrow	SG250HX-V116_S	A2173103837

581	Sungrow	SG250HX-V116_S	A2173103838
582	Sungrow	SG250HX-V116_S	A2173103839
583	Sungrow	SG250HX-V116_S	A2173103840
584	Sungrow	SG250HX-V116_S	A2173103841
585	Sungrow	SG250HX-V116_S	A2173103842
586	Sungrow	SG250HX-V116_S	A2173103843
587	Sungrow	SG250HX-V116_S	A2173103844
588	Sungrow	SG250HX-V116_S	A2173103846
589	Sungrow	SG250HX-V116_S	A2173103847
590	Sungrow	SG250HX-V116_S	A2173103848
591	Sungrow	SG250HX-V116_S	A2173103849
592	Sungrow	SG250HX-V116_S	A2173103850
593	Sungrow	SG250HX-V116_S	A2173103851
594	Sungrow	SG250HX-V116_S	A2173103852
595	Sungrow	SG250HX-V116_S	A2173103853
596	Sungrow	SG250HX-V116_S	A2173103854
597	Sungrow	SG250HX-V116_S	A2173103855
598	Sungrow	SG250HX-V116_S	A2173103856
599	Sungrow	SG250HX-V116_S	A2173103857
600	Sungrow	SG250HX-V116_S	A2173103858
601	Sungrow	SG250HX-V116_S	A2180302746
602	Sungrow	SG250HX-V116_S	A2180302747
603	Sungrow	SG250HX-V116_S	A2180302748
604	Sungrow	SG250HX-V116_S	A2180302749
605	Sungrow	SG250HX-V116_S	A2180302750
606	Sungrow	SG250HX-V116_S	A2180302752
607	Sungrow	SG250HX-V116_S	A2180302753
608	Sungrow	SG250HX-V116_S	A2180302754
609	Sungrow	SG250HX-V116_S	A2180302755
610	Sungrow	SG250HX-V116_S	A2180302756
611	Sungrow	SG250HX-V116_S	A2180302757
612	Sungrow	SG250HX-V116_S	A2180302758
613	Sungrow	SG250HX-V116_S	A2180302759
614	Sungrow	SG250HX-V116_S	A2180302760
615	Sungrow	SG250HX-V116_S	A2180302761
616	Sungrow	SG250HX-V116_S	A2180302762
617	Sungrow	SG250HX-V116_S	A2180302763
618	Sungrow	SG250HX-V116_S	A2180302764
619	Sungrow	SG250HX-V116_S	A2180302765
620	Sungrow	SG250HX-V116_S	A2180302766
621	Sungrow	SG250HX-V116_S	A2180302767
622	Sungrow	SG250HX-V116_S	A2180302768
623	Sungrow	SG250HX-V116_S	A2180302769
624	Sungrow	SG250HX-V116_S	A2180302770
625	Sungrow	SG250HX-V116_S	A2180302771

626	Sungrow	SG250HX-V116_S	A2180302772
627	Sungrow	SG250HX-V116_S	A2180302773
628	Sungrow	SG250HX-V116_S	A2180302774
629	Sungrow	SG250HX-V116_S	A2180302776
630	Sungrow	SG250HX-V116_S	A2180302777
631	Sungrow	SG250HX-V116_S	A2180302779
632	Sungrow	SG250HX-V116_S	A2180302780
633	Sungrow	SG250HX-V116_S	A2180302781
634	Sungrow	SG250HX-V116_S	A2180302782
635	Sungrow	SG250HX-V116_S	A2180302783
636	Sungrow	SG250HX-V116_S	A2180302784
637	Sungrow	SG250HX-V116_S	A2180302786
638	Sungrow	SG250HX-V116_S	A2180302787
639	Sungrow	SG250HX-V116_S	A2180302789
640	Sungrow	SG250HX-V116_S	A2180302790
641	Sungrow	SG250HX-V116_S	A2180302791
642	Sungrow	SG250HX-V116_S	A2180302792
643	Sungrow	SG250HX-V116_S	A2180302793
644	Sungrow	SG250HX-V116_S	A2180302794
645	Sungrow	SG250HX-V116_S	A2180302795
646	Sungrow	SG250HX-V116_S	A2180302796
647	Sungrow	SG250HX-V116_S	A2180302797
648	Sungrow	SG250HX-V116_S	A2180302798
649	Sungrow	SG250HX-V116_S	A2180302799
650	Sungrow	SG250HX-V116_S	A2180302800
651	Sungrow	SG250HX-V116_S	A2180302801
652	Sungrow	SG250HX-V116_S	A2180302802
653	Sungrow	SG250HX-V116_S	A2180302803
654	Sungrow	SG250HX-V116_S	A2180302804
655	Sungrow	SG250HX-V116_S	A2180302806
656	Sungrow	SG250HX-V116_S	A2180302807
657	Sungrow	SG250HX-V116_S	A2180302808
658	Sungrow	SG250HX-V116_S	A2180302809
659	Sungrow	SG250HX-V116_S	A2180302811
660	Sungrow	SG250HX-V116_S	A2180302812
661	Sungrow	SG250HX-V116_S	A2180302813
662	Sungrow	SG250HX-V116_S	A2180302814
663	Sungrow	SG250HX-V116_S	A2180302815
664	Sungrow	SG250HX-V116_S	A2180302816
665	Sungrow	SG250HX-V116_S	A2180302817
666	Sungrow	SG250HX-V116_S	A2180302818
667	Sungrow	SG250HX-V116_S	A2180302820
668	Sungrow	SG250HX-V116_S	A2180302821
669	Sungrow	SG250HX-V116_S	A2180302826
670	Sungrow	SG250HX-V116_S	A2180302830

671	Sungrow	SG250HX-V116_S	A2180302831
672	Sungrow	SG250HX-V116_S	A2180302834
673	Sungrow	SG250HX-V116_S	A2180302835
674	Sungrow	SG250HX-V116_S	A2180302836
675	Sungrow	SG250HX-V116_S	A2180302837
676	Sungrow	SG250HX-V116_S	A2180302838
677	Sungrow	SG250HX-V116_S	A2180302841
678	Sungrow	SG250HX-V116_S	A2180302842
679	Sungrow	SG250HX-V116_S	A2180302843
680	Sungrow	SG250HX-V116_S	A2180302844
681	Sungrow	SG250HX-V116_S	A2180302845
682	Sungrow	SG250HX-V116_S	A2180302848
683	Sungrow	SG250HX-V116_S	A2180302854
684	Sungrow	SG250HX-V116_S	A2180302855
685	Sungrow	SG250HX-V116_S	A2180302856
686	Sungrow	SG250HX-V116_S	A2180302857
687	Sungrow	SG250HX-V116_S	A2180302859
688	Sungrow	SG250HX-V116_S	A2180302865
689	Sungrow	SG250HX-V116_S	A2180302868
690	Sungrow	SG250HX-V116_S	A2180302869
691	Sungrow	SG250HX-V116_S	A2180302870
692	Sungrow	SG250HX-V116_S	A2180302873
693	Sungrow	SG250HX-V116_S	A2180302875
694	Sungrow	SG250HX-V116_S	A2180302877
695	Sungrow	SG250HX-V116_S	A2180302878
696	Sungrow	SG250HX-V116_S	A2180302879
697	Sungrow	SG250HX-V116_S	A2180302882
698	Sungrow	SG250HX-V116_S	A2180302885
699	Sungrow	SG250HX-V116_S	A2180302886
700	Sungrow	SG250HX-V116_S	A2180302887
701	Sungrow	SG250HX-V116_S	A2180302890
702	Sungrow	SG250HX-V116_S	A2180302892
703	Sungrow	SG250HX-V116_S	A2192705005
704	Sungrow	SG250HX-V116_S	A2192705009
705	Sungrow	SG250HX-V116_S	A2192705012
706	Sungrow	SG250HX-V116_S	A2192705007
707	Sungrow	SG250HX-V116_S	A2192704991
708	Sungrow	SG250HX-V116_S	A2192704990
709	Sungrow	SG250HX-V116_S	A2192704992
710	Sungrow	SG250HX-V116_S	A2192704995
711	Sungrow	SG250HX-V116_S	A2192705060
712	Sungrow	SG250HX-V116_S	A2192705057
713	Sungrow	SG250HX-V116_S	A2192705066
714	Sungrow	SG250HX-V116_S	A2192705021
715	Sungrow	SG250HX-V116_S	A2192704902

716	Sungrow	SG250HX-V116_S	A2192704913
717	Sungrow	SG250HX-V116_S	A2192704911
718	Sungrow	SG250HX-V116_S	A2192704923
719	Sungrow	SG250HX-V116_S	A2192704905
720	Sungrow	SG250HX-V116_S	A2192704894
721	Sungrow	SG250HX-V116_S	A2192704908
722	Sungrow	SG250HX-V116_S	A2192704897
723	Sungrow	SG250HX-V116_S	A2192705059
724	Sungrow	SG250HX-V116_S	A2192705055
725	Sungrow	SG250HX-V116_S	A2192705020
726	Sungrow	SG250HX-V116_S	A2192705056
727	Sungrow	SG250HX-V116_S	A2192704850
728	Sungrow	SG250HX-V116_S	A2192704996
729	Sungrow	SG250HX-V116_S	A2192704813
730	Sungrow	SG250HX-V116_S	A2192705015
731	Sungrow	SG250HX-V116_S	A2192705102
732	Sungrow	SG250HX-V116_S	A2192705091
733	Sungrow	SG250HX-V116_S	A2192705095
734	Sungrow	SG250HX-V116_S	A2192705052
735	Sungrow	SG250HX-V116_S	A2192705067
736	Sungrow	SG250HX-V116_S	A2192705100
737	Sungrow	SG250HX-V116_S	A2192705099
738	Sungrow	SG250HX-V116_S	A2192705080
739	Sungrow	SG250HX-V116_S	A2192704764
740	Sungrow	SG250HX-V116_S	A2192704793
741	Sungrow	SG250HX-V116_S	A2192704767
742	Sungrow	SG250HX-V116_S	A2192704766
743	Sungrow	SG250HX-V116_S	A2192705025
744	Sungrow	SG250HX-V116_S	A2192704932
745	Sungrow	SG250HX-V116_S	A2192704929
746	Sungrow	SG250HX-V116_S	A2192704939
747	Sungrow	SG250HX-V116_S	A2192704890
748	Sungrow	SG250HX-V116_S	A2192704900
749	Sungrow	SG250HX-V116_S	A2192704763
750	Sungrow	SG250HX-V116_S	A2192704762
751	Sungrow	SG250HX-V116_S	A2192704980
752	Sungrow	SG250HX-V116_S	A2192704998
753	Sungrow	SG250HX-V116_S	A2192704768
754	Sungrow	SG250HX-V116_S	A2192705040
755	Sungrow	SG250HX-V116_S	A2192705008
756	Sungrow	SG250HX-V116_S	A2192705013

Table 3: inverter data

3.1.2 PMD

Unit	OEM	Model	Serial
1	Sungrow	PMD-A6-UPS	A2221407874
2	Sungrow	PMD-A6-UPS	A2221910330
3	Sungrow	PMD-A6-UPS	A2221910313
4	Sungrow	PMD-A6-UPS	A2221910321
5	Sungrow	PMD-A6-UPS	A2221910324
6	Sungrow	PMD-A6-UPS	A2222243180
7	Sungrow	PMD-A6-UPS	A2222243187
8	Sungrow	PMD-A6-UPS	A2221910315
9	Sungrow	PMD-A6-UPS	A2222243186
10	Sungrow	PMD-A6-UPS	A2222243176
11	Sungrow	PMD-A6-UPS	A2221910318
12	Sungrow	PMD-A6-UPS	A2221910328
13	Sungrow	PMD-A6-UPS	A2221910331
14	Sungrow	PMD-A6-UPS	A2221910326
15	Sungrow	PMD-A6-UPS	A2222811186
16	Sungrow	PMD-A6-UPS	A2221910325
17	Sungrow	PMD-A6-UPS	A2222243169
18	Sungrow	PMD-A6-UPS	A2222811189
19	Sungrow	PMD-A6-UPS	A2221910314
20	Sungrow	PMD-A6-UPS	A2222243185
21	Sungrow	PMD-A6-UPS	A2222243188
22	Sungrow	PMD-A6-UPS	A2222243183
23	Sungrow	PMD-A6-UPS	A2221910327
24	Sungrow	PMD-A6-UPS	A2222243184
25	Sungrow	PMD-A6-UPS	A2221910329
26	Sungrow	PMD-A6-UPS	A2222243179
27	Sungrow	PMD-A6-UPS	A2222243182
28	Sungrow	PMD-A6-UPS	A2221910319

Table 4: PMD data

3.1.3 LV MV Tranformer Cabinet

Unit	OEM	Model	Serial
1	Sungrow	SFL-6300/33	A21C2231868
2	Sungrow	SFL-6300/33	A2210407675
3	Sungrow	SFL-6300/33	A2211700423
4	Sungrow	SFL-6300/33	A2211700410
5	Sungrow	SFL-6300/33	A21C2331864
6	Sungrow	SFL-6300/33	A2210900658
7	Sungrow	SFL-6300/33	A2210407677
8	Sungrow	SFL-6300/33	A21C2331867
9	Sungrow	SFL-6300/33	A2210407674
10	Sungrow	SFL-6300/33	A2210407676
11	Sungrow	SFL-6300/33	A2210900654
12	Sungrow	SFL-6300/33	A21C2331865
13	Sungrow	SFL-6300/33	A2210407673
14	Sungrow	SFL-6300/33	A2210407671
15	Sungrow	SFL-6300/33	A2211700412
16	Sungrow	SFL-6300/33	A2211700418
17	Sungrow	SFL-6300/33	A2211700420
18	Sungrow	SFL-6300/33	A2211700413

Table 5: LV MV Tranformer Cabinet

3.2 Scope of Supply

Position	Quantity	Description
1000		Photovoltaic solar power plant equipment
1001	295'875	Panels <ul style="list-style-type: none"> • Longi • LR4-72HBD
1002	756	String Inverter <ul style="list-style-type: none"> • Sungrow • SG250HX-V116_S
1003	28	PMD <ul style="list-style-type: none"> • Sungrow • PMD-A6-UPS
1004	18	LV MV Tranformer Cabin <ul style="list-style-type: none"> • Sungrow • SFL-6300/33
1005	142 Row max	Tracker and structure <ul style="list-style-type: none"> • Nextracker • NX Horixon

Table 6: scope of supply.

3.3 Exclusions

Scope not explicitly listed in the Scope of Supply (Table 6) is excluded. The following items are explicitly excluded:

Mechanical
Modification of any existing systems not explicitly cited.
Missing parts and components.
Electrical
Modification of existing systems not explicitly cited.
Cables, missing parts and components.
Civil
Land preparation
Temporary accesses and final accessing roads

Security plan and hardware.
Temporary accommodation
Finishing and fencing
First aid station and ambulances
Waste disposal facility

Table 7: exclusions from the Scope of Supply.

Project Management
Attainability of installation, commissioning and operation permits, or any other permit.
Assessment and acceptance of safety relevant issues.
Any study, engineering, documentation, or other service.
Additional works resulting from changes in laws or any other reasons, for which EECC is not responsible.
Building of Site Facilities of any kind (lights, water supply and treatment, heating, power supply, etc.).
Custom duties and taxes.
Engineering
Design and detailed engineering of existing equipment.

Table 8: exclusions from scope of Services.

3.4 Technical documentation

Following documents are part of the technical documentation (list is preliminary):

Pos.	Document	Available
1	General	
1.1	Document & drawing list	yes
1.2	Technical data sheet	yes
1.3	Component manuals	yes
1.4	Quality documentation	yes

Table 9: technical documentation.