

GENERAL DATA

Cell Properties (Material/Type)	Monocrystalline/N-type	Cell Maker	LG
Cell Configuration	60 Cells (6 x 10)	Number of Busbars	12EA
Module Dimensions (L x W x H)	1,686mm x 1,016mm x 40 mm	Weight	17.1 kg
Glass (Material)	Tempered Glass with AR Coating	Backsheet (Color)	White
Frame (Material)	Anodized Aluminium	Junction Box (Protection Degree)	IP 68 with 3 Bypass Diodes
Cables (Length)	1,000mm x 2EA	Connector (Type/Maker)	MC 4/MC

CERTIFICATIONS AND WARRANTY

Certifications	IEC 61215-1/-1-1/2:2016, IEC 61730-1/2:2016, UL 1703, ISO 9001, ISO 14001, ISO 50001, OHSAS 18001	Salt Mist Corrosion Test	IEC 61701:2012 Severity 6
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Ammonia Corrosion Test	IEC 62716:2013	Module Fire Performance	Type 1 (UL 1703)
Fire Rating	Class C (UL 790, ULC/ORD C 1703)	Solar Module Product Warranty	25 Years
Solar Module Output Warranty	Linear Warranty*	*	Improved: 1st year 98%, from 2-24th year : 0.33%/year down, at 25th year : 90.08%

TEMPERATURE CHARACTERISTICS

NMOT* [°C]	42 ± 3	*	NMOT (Nominal Module Operating Temperature): Irradiance 800 W/m2, Ambient temperature 20 °C, Wind speed 1 m/s, Spectrum AM 1.5
Pmax [%/°C]	-0.36	Voc [%/°C]	-0.27
Isc [%/°C]	0.03		

ELECTRICAL PROPERTIES (NMOT)

Maximum Power (Pmax) [W]	250	MPP Voltage (Vmpp) [V]	31.9
MPP Current (Impp) [A]	7.84	Open Circuit Voltage (Voc) [V]	38.5

Short Circuit Current (Isc)
[A] 8.43

ELECTRICAL PROPERTIES (STC*)

Maximum Power (Pmax) [W]	335	MPP Voltage (Vmpp) [V]	34.1
MPP Current (Impp) [A]	9.83	Open Circuit Voltage (Voc, 5%) [V]	41.0
Short Circuit Current (Isc, 5%) [A]	10.49	Module Efficiency [%]	19.6
Bifaciality Coefficient of Power [%]	10	Power Tolerance [%]	0 ~ +3

* STC (Standard Test Condition):
Irradiance 1000 W/m², cell
temperature 25 °C, AM 1.5

OPERATING CONDITIONS

Operating Temperature [°C]	-40 ~+90	Maximum System Voltage [V]	1,000(UL), 1000(IEC)
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Maximum Series Fuse Rating [A]	20	Mechanical Test Load (Front) [Pa/psf]	5,400/113
Mechanical Test Load (Rear) [Pa/psf]	4,000/84	*	Test Load = Design load x Safety Factor (1.5)

PACKAGING CONFIGURATION

Number of Modules per Pallet [EA]	25	Number of Modules per 40ft HQ Container [EA]	650
Packaging Box Dimensions (L x W x H) [mm]	1,750 x 1,120 x 1,221	Packaging Box Gross Weight [kg]	464