

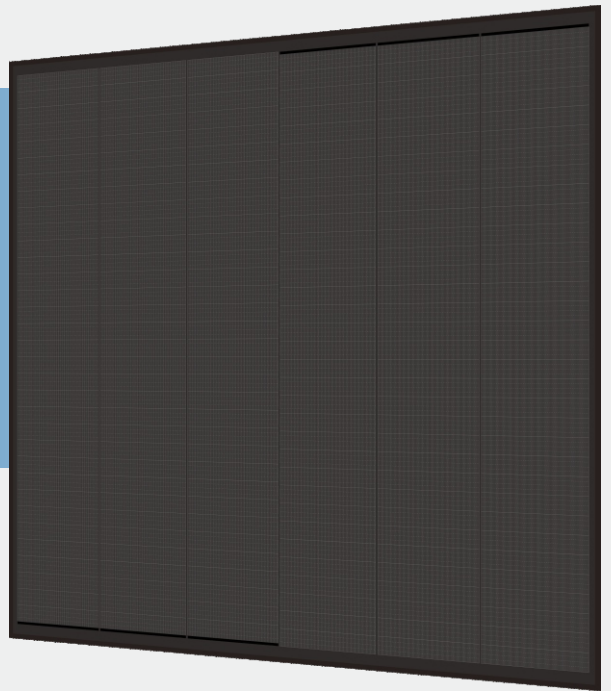


PERLIGHT SOLAR
Powering Possibilities

PLM-200MA-192

200W DELTA SERIES

Monocrystalline PERC solar module

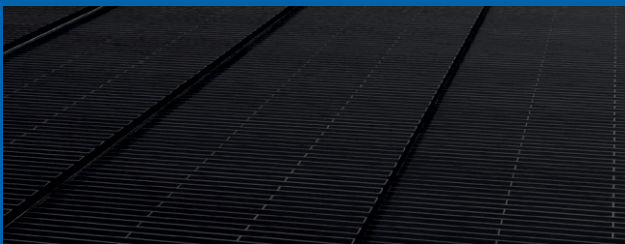


5 YEAR WORKMANSHIP WARRANTY

5 YEAR LINEAR POWER OUTPUT WARRANTY



ZERO BUSBAR RIBBON TECHNOLOGY



NO CELL BUSBAR RIBBONS



HIGH DENSITY LAYOUT



INCREASED CELL SURFACE AREA



GREENER TO THE ENVIRONMENT

Fluorine-free and low Pb levels, 60% less than conventional modules. Saving 0.3kg of metal ribbon per module by removing cell busbars



BEAUTIFUL APPEARANCE

Ultra-sleek with consistent tone provides a modernised look



PERFORMANCE

Outperforms conventional half-cell technology under shaded conditions, lower operating temperature and more



SAFETY AND RELIABILITY

Lower operating temperature and exceptional performance under mechanical and thermal stress dramatically reduces risks of micro-cracks and hot-spots, improving performance and prolonging module life

200W DELTA SERIES

Electrical Characteristics at Standard Test Conditions(STC)

Module Type: PLM-200MA-192	200
Maximum Power-Pm [W]	200
Open Circuit Voltage-Voc [V]	43.68
Short Circuit Current-Isc [A]	5.95
Maximum Power Voltage-Vm [V]	35.22
Maximum Power Current-Im [A]	5.68
Module Efficiency-η [%]	19.26

Electrical Characteristics at NMOT

Maximum Power-Pm [W]	151.1
Open Circuit Voltage-Voc [V]	40.89
Short Circuit Current-Isc [A]	4.76
Maximum Power Voltage-Vm [V]	32.98
Maximum Power Current-Im[A]	4.59

Note: 1. Standard Test Conditions(STC): Irradiance 1000W/ m²; AM 1.5; ambient temperature 25°C according to EN 60904-3;
2. Nominal Module Operating Temperature (NMOT): Irradiance 800W/ m²; wind speed 1m/s; ambient temperature 20°C.
3. Tolerance of Pm: 0~+5W, Measuring uncertainty of power: ±3%. Performance deviation of Voc [V], Isc[A], Vm[V] and Im[A]: ±3%.

Temperature Characteristics

NMOT	42.3°C(±2°C)
Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pm	-0.34%/°C

Maximum Ratings

Maximum System Voltage [V]	DC 1500/1000 (IEC)
Series Fuse Rating [A]	15
Maximum Surface Load Capacity [Pa]	5400
Temperature Range [°C]	-40 ~ +85
Withstanding Hail	Maximum diameter of 25mm with impact speed of 23 m·s ⁻¹

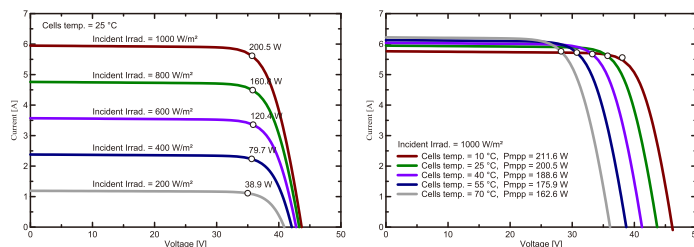
Package

Container	40' HQ
Number of pallets per container	22
Number of modules per container	1320

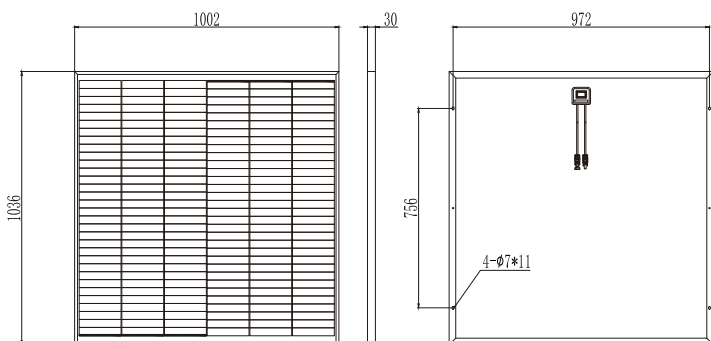
Mechanical Characteristics

Dimensions	1036 ×1002 ×30mm (L×W×H)
Weight	12.5 kg
Front Glass	Coating tempered glass, 3.2mm
Frame	Anodized aluminum profile
Cells	Mono-crystalline solar cell
Cell Orientation	192 (6*32)
Junction Box	IP65, two diodes
Cables & Plug Connectors	900mm / 4mm ² & Stäubli MC4 EVO2A

I-V curve



Module Diagram



Warranty

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