Mars-G3Series

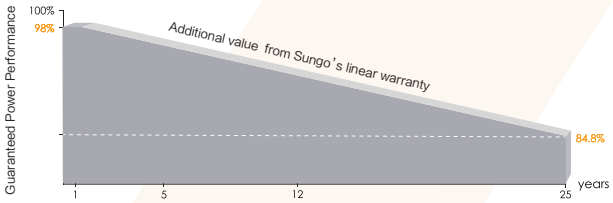
High Efficiency Half-Cell Mono PERC Module

520-550W

PRODUCTS FEATURES

- Half-cut cell technology
  New circuit design, lower internal current, lower Rs loss
- Lower the risk of hot spot
  Special design with lower hot spot temperature
- 100% triple EL test enabling remarkable reduction of hidden crack rate of modules
- Lower LCOE
  Higher power generation，Lower LCOE

LINEAR PERFORMANCE WARRANTY



15 YEARS Product quality & process guarantee

25 YEARS Linear power guarantee

0.55% Annual Degradation Over 25 years

COMPREHENSIVE CERTIFICATES

ISO9001： Quality Management System
ISO14001：Environment Management System
ISO45001：Occupational Health and Safety Management System

ELECTRIC CHARACTERISTICS

Type	SG-MH72L-520	SG-MH72L-525	SG-MH72L-530	SG-MH72L-535	SG-MH72L-540	SG-MH72L-545	SG-MH72L-550
Maximum Power (Pmax/W)	520	525	530	535	540	545	550
Open Circuit Voltage (Voc/V)	49.1	49.18	49.26	49.34	49.42	49.51	49.6
Short Circuit Current (Isc/A)	13.57	13.64	13.71	13.79	13.85	13.94	14.04
Voltage at Maximum Power (Vmpp/V)	40.92	41.15	41.31	41.44	41.64	41.86	41.96
Current at Maximum Power (Impp/A)	12.71	12.76	12.83	12.91	12.97	13.02	13.11
Module Efficency (η%)	20.1	20.3	20.5	20.7	20.9	21.1	21.3

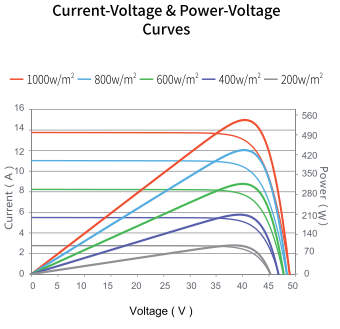
MECHANICAL CHARACTERISTICS

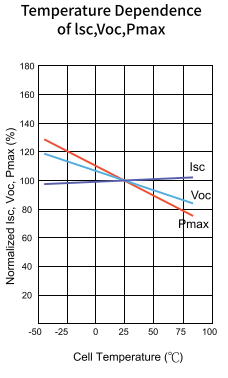
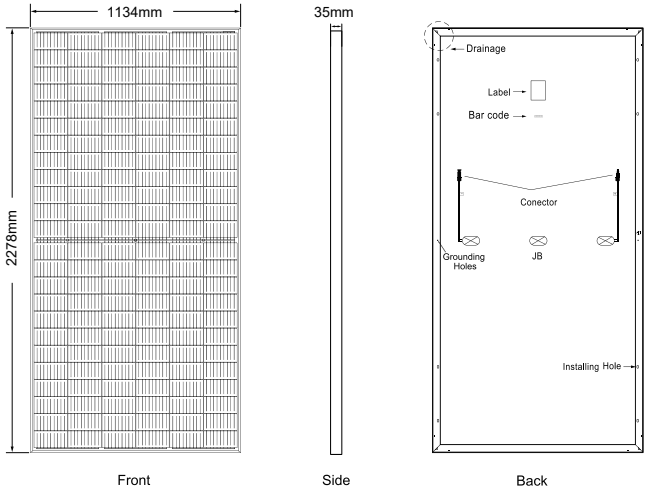
Cell type	PERC Monocrystalline 182×91 mm
Number of cells	144 cells
Dimensions	2278×1134×35mm
Weight	28.9 kg
Cables	4.0 mm^2, wire length: 300mm
Junction Box	IP68
Mechanical Loading	5400 Pa
Glass	Tempered, 3.2 mm AR, High transmittance, Low iron
Frame	Anodized aluminum alloy
Connectors	MC4 Compatibility
Packing	31pcs/Pallet

Temperature Ratings

Temperature Coefficient of Pmax	-0.35%/℃
Temperature Coefficient of Voc	-0.27%/℃
Temperature Coefficient of Isc	+0.048%/℃
Working Temperature	-40℃~85℃
Normal Module Operating Temperature (NMOT)	45±2℃

I–V Curve





Design(mm)