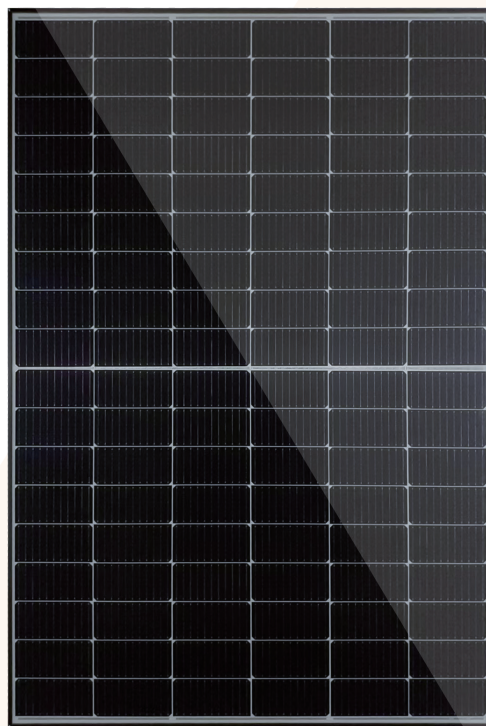


Mars-G3MINI

High Efficiency Half-Cell Mono PERC Module

395-410W



PRODUCTS FEATURES



Half-cut cell technology
New circuit design, lower internal current,
lower R_s loss



Lower the risk of hot spot
Special design with lower hot spot temperature

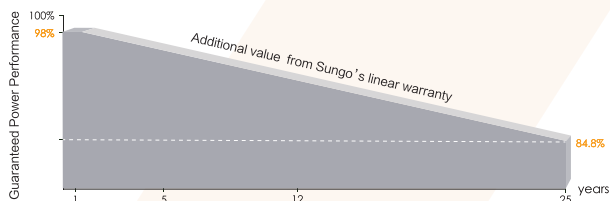


100% triple EL test enabling remarkable
reduction of hidden crack rate of modules



Lower LCOE
Higher power generation, Lower LCOE

LINEAR PERFORMANCE WARRANTY



12 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-MH54L-395	SG-MH54L-400	SG-MH54L-405	SG-MH54L-410
Maximum Power (Pmax/W)	395	400	405	410
Open Circuit Voltage (Voc/V)	36.93	37.18	37.33	37.68
Short Circuit Current (Isc/A)	13.24	13.39	13.44	13.59
Voltage at Maximum Power (Vmp/V)	31.03	31.11	31.23	31.4
Current at Maximum Power (Imp/A)	12.73	12.86	12.97	13.06
Module Efficiency ($\eta\%$)	20.2	20.5	20.7	21.0

MECHANICAL CHARACTERISTICS

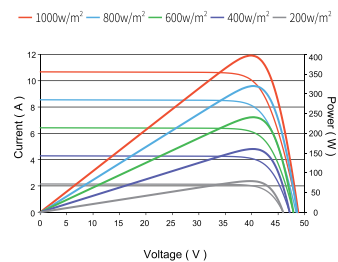
Cell type	PERC Monocrystalline 182×91 mm
Number of cells	108 cells
Dimensions	1722×1134×35mm
Weight	21 kg
Cables	4.0 mm ² , wire length: 300 mm or Customized Length
Junction Box	IP68, 3 diodes
Mechanical Loading	5400 Pa
Glass	Tempered, 3.2 mm AR, High transmittance, Low iron
Frame	Anodized aluminum alloy
Connectors	MC4 Compatibility
Packing	31pcs/Pallet

Temperature Ratings

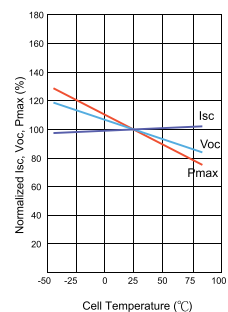
Temperature Coefficient of Pmax	-0.35%/°C
Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	+0.05%/°C
Working Temperature	-40°C~85°C
Normal Module Operating Temperature (NMOT)	45±2°C

I-V Curve

Current-Voltage & Power-Voltage Curves



Temperature Dependence of Isc, Voc, Pmax



Design(mm)

