



Mars-G5Series

High Efficiency Half-Cell Mono PERC Module

535-555W

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

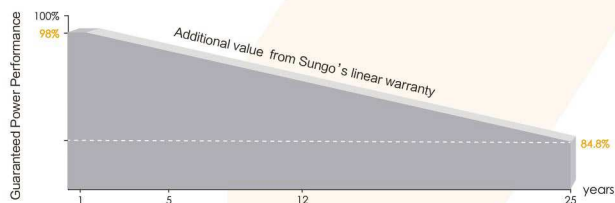


100% triple EL test enabling remarkable
reduction of hidden crack rate of modules



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

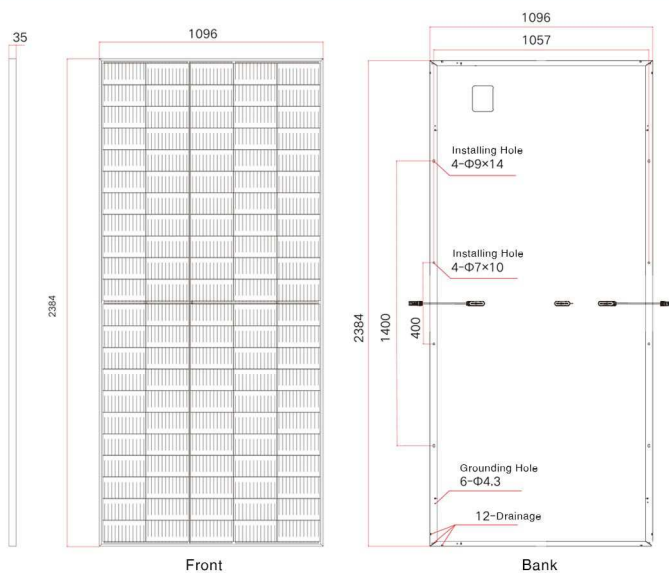
ELECTRIC CHARACTERISTICS

Type	SG-MH55H-535	SG-MH55H-540	SG-MH55H-545	SG-MH55H-550	SG-MH55H-555
Maximum Power (Pmax/W)	535	540	545	550	555
Open Circuit Voltage (Voc/V)	37.3	37.5	37.7	37.9	38.1
Short Circuit Current (Isc/A)	18.36	18.41	18.47	18.52	18.56
Voltage at Maximum Power (Vmpp/V)	31.0	31.2	31.4	31.6	31.8
Current at Maximum Power (Impp/A)	17.28	17.33	17.37	17.4	17.45
Module Efficiency ($\eta\%$)	20.5	20.7	20.9	21.0	21.2

MECHANICAL CHARACTERISTICS

Cell type	PERC Monocrystalline 210×105 mm
Number of cells	110cells
Dimensions	2384×1096×35mm
Weight	28.6kg
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

Design(mm)

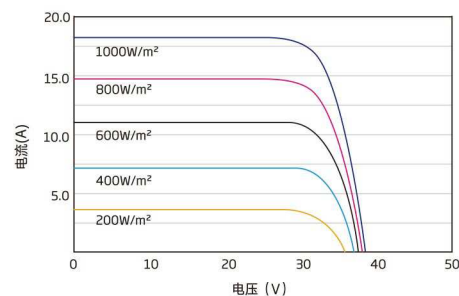


Temperature Ratings

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

I-V Curve

组件的I-V曲线 (555W)



组件的P-V曲线 (555W)

