

PHOTON 5

HG-72HC10
Monofacial Module

545~565W



PERC / Half-cut



Low temperature coefficient



PID resistance



Low BOS cost & LCOE



Higon Reliable Quality

- World-class manufacturer of crystalline silicon photovoltaic modules
- Fully automatic facility and world-class technology
- Rigorous quality control to meet the highest standard: ISO 9001, ISO 14001 and ISO 45001
- Long term reliability tests
- 3X100% EL inspection ensuring defect-free modules



THE IDEAL SOLUTION FOR:



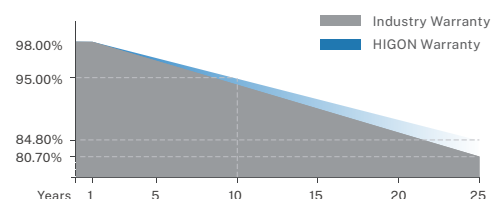
Ground-mounted solar plants



Commercial Rooftop
Residential Rooftop

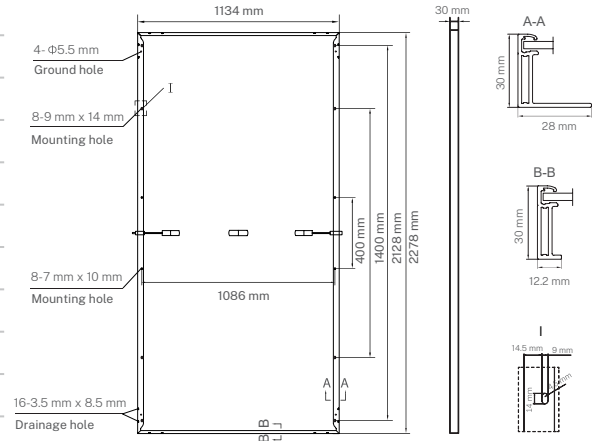
Performance Warranty

- 15 Years Product Warranty
- 25 Years Linear Power Warranty
- 2% Degradation in 1st year
- 0.55% Annual Degradation Over 25 Years



Mechanical Characteristics

Solar Cell	P-Type mono-crystalline
No. of Cells	144 (6×24)
Dimensions	2278×1134×30mm
Weight	27.8kg
Frame	Silver, Anodized Aluminum Alloy
Glass	3.2mm coated tempered glass
Output Cables	4mm ² , 300mm(including connector)
Junction Box	IP68 rated(3 bypass diodes)
Connector	MC Compatible
Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 VDC (IEC)
Maximum Series Fuse Rating	25A
Mechanical Load	5400Pa(Front)/ 2400Pa(Back)



Electrical Characteristics

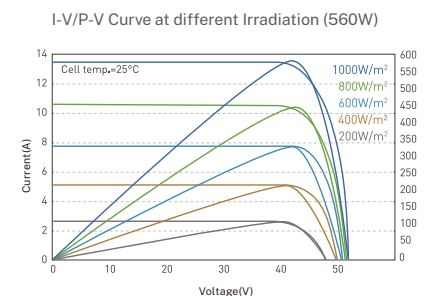
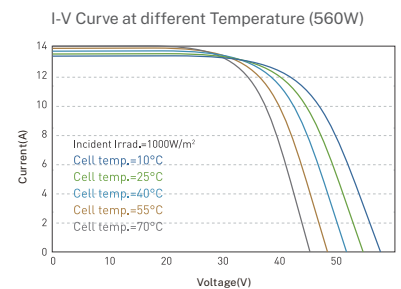
POWER CLASS	545		550		555		560		565	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power(Pmax/W)	545	407.3	550	411.0	555	414.8	560	418.5	560	422.2
Operating Voltage(Vmp/V)	41.93	39.08	42.10	39.24	42.27	39.39	42.44	39.55	42.61	39.71
Operating Current(Imp/A)	13.00	10.42	13.13	10.48	13.13	10.53	13.20	10.58	13.26	10.63
Open-Circuit Voltage(Voc/V)	49.90	47.16	50.10	47.35	50.30	47.53	50.50	47.72	50.70	47.91
Short-Circuit Current(Isc/A)	13.81	11.20	13.90	11.27	13.98	11.35	14.07	11.42	14.16	11.49
Module Efficiency(%)	21.1		21.3		21.5		21.7		21.9	

STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5;
 NMOT: Irradiance 800 W/m², ambient temperature 20 °C, AM=1.5, wind speed 1 m/s; Tolerance of Pmax is within +/- 3%;

Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	45 ± 2 °C
Temperature Coefficient of Pmax	-0.34%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.04%/°C

Graphs



Packing Configuration

