

SoleHoyo Photovoltaic Modules

16BB72H 560-590W

N-Type Bifacial Mono Half-Cut Cells

Complete System:

IEC61215(2016), IEC61730(2016) ISO9001:2015:

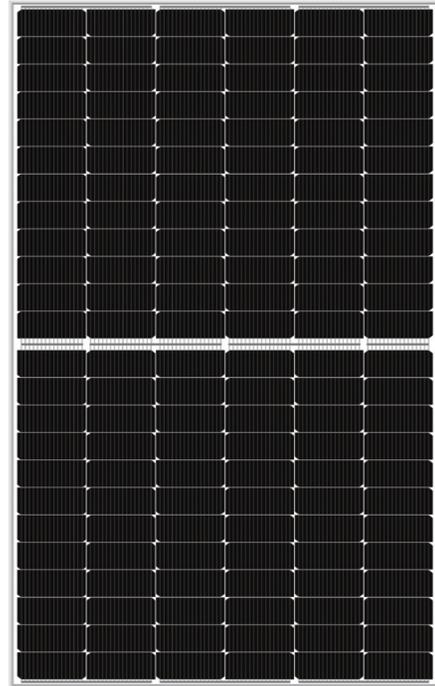
Quality Management System

ISO14001:2015:

Environmental Management System

ISO45001:2018

International Standards for Occupational health & safety



Product Features



Better power output



Lower BOS and LOCE

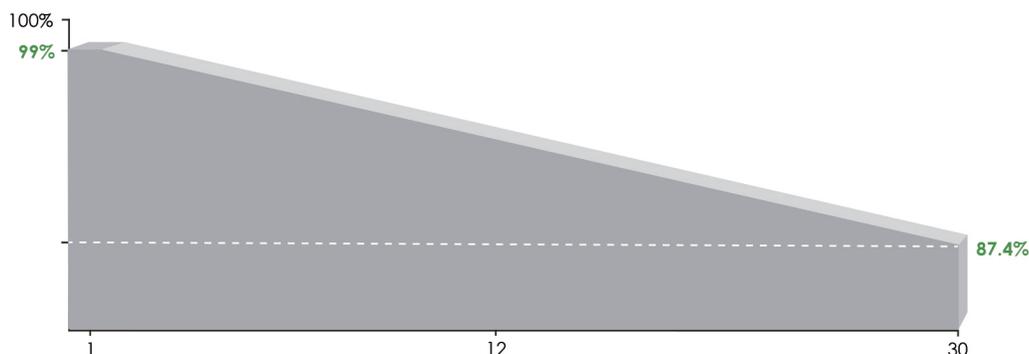


Better low light performance



Better reliability and efficiency

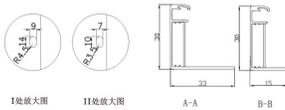
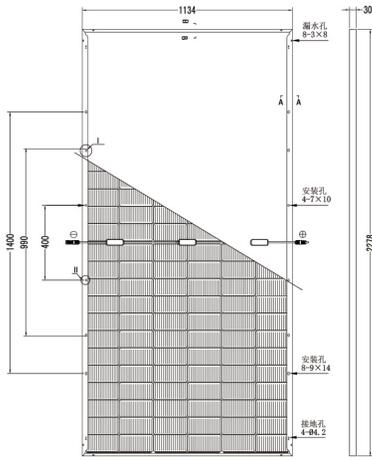
Standard Module Linear Performance Warranty



12 years product warranty

30 years linear power warranty

Engineering Drawings

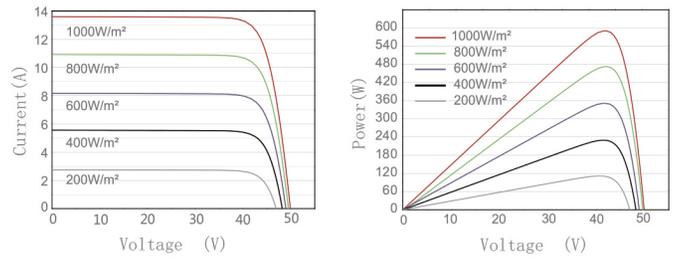


Operating Conditions

Temperature Coefficients of Pmax	-0.30 %/°C
Temperature Coefficients of Voc	-0.25%/°C
Temperature Coefficients of Isc	+0.046 %/°C
NOCT	42±2°C
Operating Temperature	-40°C~+85°C

Characteristics

Current-Voltage&Power-Voltage Curves(590W)



Mechanical Characteristics

Cell Type	N -type 182 Mono-crystalline
No. of cells	144(6x24)
Weight/Size	32Kg/2278mmx1134mmx30mm
Glass	2+2mm High Transmission Glasses
Frame	Anodized Aluminium Alloy
Junction Box	30A,3 diodes
Output Cables	4.0 mm²(+): 300 mm, (-): 300 mm or Customized Length
Packaging	36pcs/pallets, 720 pcs/ 40'HQ Container

Electrical Parameters

Type	16BB72H-565		16BB72H-570		16BB72H-575		16BB72H-580		16BB72H-585		16BB72H-590	
	STC	NOCT										
Maximum Power – Pmax [Wp]	565	429.30	570	433.00	575	436.90	580	440.10	585	443.70	590	443.70
Bifacial Maximum Power – Pmax [Wp]	626.30		631.00		637.10		642.50		647.90		653.30	
Open-circuit Voltage – Voc [V]	50.89	48.21	51.09	48.40	51.31	48.59	51.43	48.71	51.85	48.89	52.27	49.07
Short-circuit Current – Isc [A]	14.05	11.45	14.24	11.50	14.29	11.55	14.42	11.61	14.56	11.66	14.70	11.71
Maximum Power Voltage – Vmp [V]	42.12	40.09	42.31	40.28	42.49	40.46	42.62	40.57	42.92	40.71	43.22	40.85
Maximum Power Current – Imp [A]	13.43	10.71	13.47	10.75	13.54	10.80	13.61	10.85	13.64	10.90	13.67	10.95
Module Efficiency STC [%]	21.87%		22.07%		22.26%		22.45%		22.65%		22.80%	
Maximum System Voltage	1500											
Maximum Series Fuse Rating	30											
Power Tolerance	±3%											

STC: ☀️ Illumination intensity 1000W/m² 📏 Cell temperature 25°C ☁️ Atmosphere quality=1.5
NOCT: ☀️ Illumination intensity 800W/m² 📏 Cell temperature 20°C ☁️ Atmosphere quality=1.5 🌀 Wind speed 1m/s