Mono

385W MBB Bifacial Mono PERC Half-cell Double Glass Module HHM60-6DBH360-385 Series

Introduction

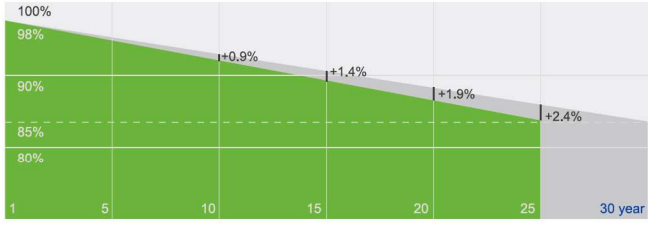
Assembled with MBB bifacial PERCIUM cells and half-cell configuration, these double glass modules have the capability of converting the incident light from the rear side together with the front side into electricity, providing higher output power, lower temperature coefficient, less shading loss, as well as enhanced tolerance for mechanical loading.

- Higher output power
- More reliable, more stable power generation
- Less shading effect
- Lower temperature coefficient

Superior Warranty

- 12-year product warranty
- 30-year linear power output warranty

0.45% Annual Degradation Over 30 years



Additional Value From 30-Year Warranty ■ HHStandard

Comprehensive Certificates

- IEC 61215, IEC 61730,UL 61215, UL 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- OHSAS 18001: 2007 Occupational health and safety management systems
- IEC TS 62941: 2016 Terrestrial photovoltaic (PV) modules – Guidelines for increased confidence in PV module design qualification and type approval

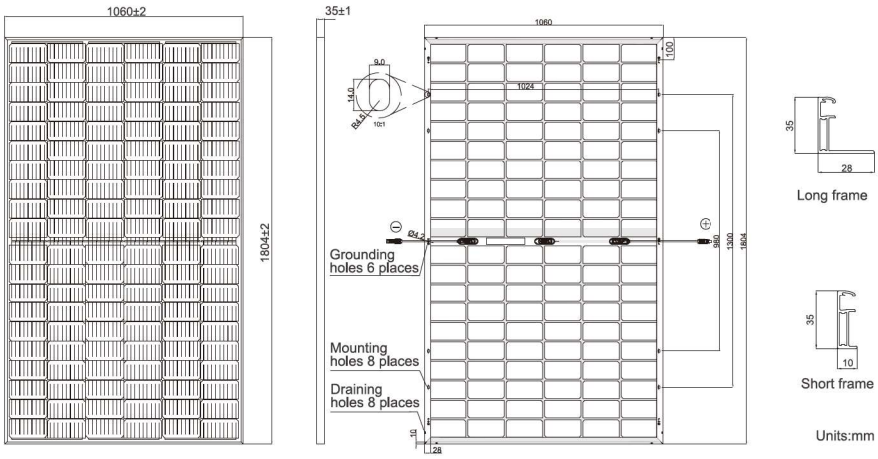
Solar Huanghe

86-029-82513826
info@xahhpv.com
www.xahhpv.com

Huanghe solar

HHM60–6DBH360–385 Series

MECHANICAL DIAGRAMS



Remark: customized frame color and cable length available upon request

SPECIFICATIONS

Cell	Mono
Weight	23.8kg±3%
Dimensions	1804±2mm×1060±2mm×35±1mm
Cable Cross Section Size	4mm² (IEC), 12 AWG(UL)
No. of cells	120(6×20)
Junction Box	IP68, 3 diodes
Connector	QC 4.10-35
Cable Length (Including Connector)	Portrait:300mm(+)/400mm(-); Landscape:1000mm(+)/1000mm(-)
Packaging Configuration	30pcs/Pallet, 720pcs/40ft Container
Front Glass/Back Glass	2.0mm/2.0mm

ELECTRICAL PARAMETERS AT STC

TYPE	HHM60–6DBH360	HHM60–6DBH365	HHM60–6DBH370	HHM60–6DBH375	HHM60–6DBH380	HHM60–6DBH385
Rated Maximum Power(Pmax) [W]	360	365	370	375	380	385
Open Circuit Voltage(Voc) [V]	40.88	41.05	41.21	41.37	41.52	41.68
Maximum Power Voltage(Vmp) [V]	33.43	33.74	33.98	34.25	34.52	34.82
Short Circuit Current(Isc) [A]	11.30	11.35	11.41	11.47	11.53	11.58
Maximum Power Current(Imp) [A]	10.77	10.82	10.89	10.95	11.01	11.06
Module Efficiency [%]	18.8	19.1	19.3	19.6	19.9	20.1
Power Tolerance	0~+5W					
Temperature Coefficient of Isc(α_Isc)	+0.044%/°C					
Temperature Coefficient of Voc(β_Voc)	-0.272%/°C					
Temperature Coefficient of Pmax(γ_Pmp)	-0.354%/°C					
STC	Irradiance 1000W/m², cell temperature 25°C, AM1.5G					

Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

ELECTRICAL CHARACTERISTICS WITH DIFFERENT REAR SIDE POWER GAIN(REFERENCE TO 370W FRONT)

Backside Power Gain	5%	10%	15%	20%	25%
Rated Max Power(Pmax) [W]	389	407	426	444	463
Open Circuit Voltage(Voc) [V]	40.68	40.68	40.68	40.78	40.78
Max Power Voltage(Vmp) [V]	34.20	34.20	34.20	34.30	34.30
Short Circuit Current(Isc) [A]	11.98	12.55	13.12	13.69	14.26
Max Power Current(Imp) [A]	11.36	11.90	12.44	12.94	13.48

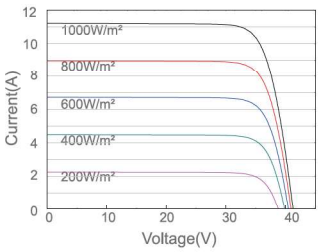
*Bifaciality=Pmax,rear/Rated Pmax,front

OPERATING CONDITIONS

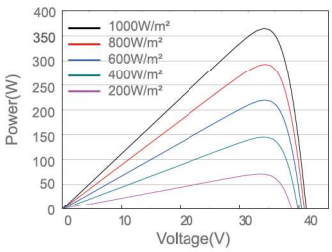
Maximum System Voltage	1500V DC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	25A
Maximum Static Load,Front Maximum Static Load,Back	5400Pa (112 lb/ft²) 2400Pa (50 lb/ft²)
NOCT	45±2°C
Bifaciality*	70%±10%
Fire Performance	UL Type 29

CHARACTERISTICS

Current-Voltage Curve HHM60–6DBH365



Power-Voltage Curve HHM60–6DBH365



Current-Voltage Curve HHM60–6DBH365