

HGN-66HC10B

Bifacial Module

Model: HGN-66HC10B
630~650W



- PID resistance.
- Low BOS cost & LCOE.
- TOPCon / Half-cut / Bifacial.
- Low temperature coefficient.



Green energy, better life.

Mechanical Characteristics

Solar Cell	N-Type mono-crystalline
No. of Cells	132(6x22)
Dimensions	2382x1134x30mm
Weight	31.6kg
Frame	Silver, Anodized Aluminum Alloy
Front Glass	2.0mm, Anti-reflection Coating
Back Glass	2.0mm, Heat Strengthened 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	35A
Mechanical Load	5400Pa (Front)/ 2400Pa(Back)
Bifaciality (Pmpp)	80±5%

Electrical Characteristics(STC)

POWER CLASS	630	635	640	645	650
Testing Condition	STC	STC	STC	STC	STC
Maximum Power(Pmax/W)	630	635	640	645	650
Operating Voltage(Vmp/V)	41.02	41.16	41.30	41.44	41.58
Operating Current(Imp/A)	15.36	15.43	15.50	15.57	15.64
Open-Circuit Voltage(Voc/V)	49.48	48.68	49.88	50.08	50.28
Short-Circuit Current(Isc/A)	16.20	16.26	16.32	16.38	16.44
Module Efficiency(%)	23.32	23.51	23.69	23.88	24.06

Electrical Characteristics(BNPI)

Maximum Power(Pmax/W)	696	701	707	712	717
Operating Voltage(Vmp/V)	41.04	41.17	41.33	41.46	41.59
Operating Current(Imp/A)	16.95	17.03	17.10	17.17	17.24
Open-Circuit Voltage(Voc/V)	49.46	49.66	49.86	50.06	50.26
Short-Circuit Current(Isc/A)	17.90	17.96	18.03	18.09	18.15

Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	45±2° C
Temperature Coefficient of Pmax	-0.25%/° C
Temperature Coefficient of Voc	-0.29%/° C
Temperature Coefficient of Isc	+0.043%/° C