

18 Series MBB Half Cell Mono **440-460W**



Products Features



Half-cut & MBB technology

Lower internal current, lower power loss



Excellent weak light performance

More power output in weak light condition



Lower the risk of hot spot Special design with lower hot spot temperature



Lower LCOE

Higher Power Generation, Lower LCOE.

Warranty



2% First year power degradation

0.55% Annual degradation over 25 years

System

- IEC 61215, IEC61730
- ISO9001: Quality Management System
- ISO14001: Environment Management System
- ISO45001: Occupational Health and Safety Management System





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Electrical Charac	terist	ics			
Maximum Power (Pmax/W)	440	445	450	455	460
Open Circuit Voltage (Voc/V)	41.18	41.27	41.46	41.65	41.84
Short Circuit Current (Isc/A)	13.37	13.42	13.47	13.54	13.6
Voltage at Maximum Power (Vmpp/V)	34.31	34.46	34.62	34.78	34.94
Current at Maximum Power (Impp/A)	12.83	12.92	13.01	13.09	13.17
Module Efficency (ⴄ%)	20.4	20.6	20.9	21.1	21.3

Temperature Ratings

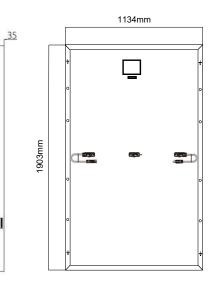
Temperature Coefficient of Pmax	-0.35%/°C
Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	+0.05%/°C
Working Temperature	-40℃-85℃
Normal Module Operating Temperature (NMOT)	45±2°C

Mechanical Characteristics

Monocrystalline silicon 182mm		

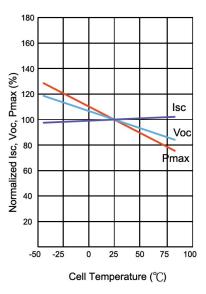
Design

ΠΙΙΙΙΙ



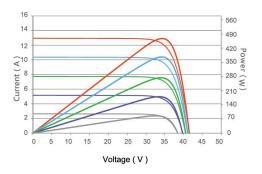
I-V Curve

Temperature Dependence of lsc,Voc,Pmax



Current-Voltage & Power-Voltage Curves





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