

FLAGSUN[®]

500W Mono FULL BLACK

182mm HPBC Half Cut Cell



HPBC Cell Technology



Half Cut Cell Technology



Bifacial Cell Module Technologies



Excellent Anti-PID Low LID Performance

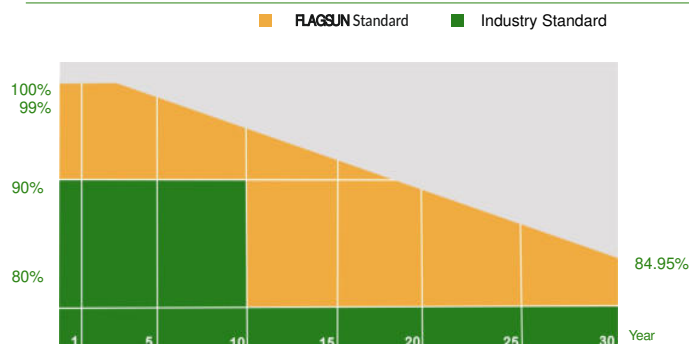


Less Hot Spot Shading Effects



Higher Power Output Lower BOS & LCOE

Linear performance Warranty



Comprehensive Certificates

- ISO14001:2015 EMS
- SA8000:2014 SMS
- ISO9001:2015 QMS
- IEC61215/IEC61730 Standard Quality



FLAGSUN® Mono I 500W FULL BLACK

MECHANICAL CHARACTERISTICS

Solar Cells	HPBC/Mono
No. of Cells	126 (6x21E'
Dimensions	1910x 1134 x 30mm (35mm)
Weight	24.0kg
Front Glass	3.2mm coated semi-tempered glass
Back Side	Black backsheet
Junction Box	Ip68 rated (3 by pass diodes)
Output Cables	4.0mm ² 300mm (+) / 300mm (-) or customized
Frame Size	30mm (35mm optional)
Connectors	Mc4 compatible
Mechanical load test	5400Pa

ELECTRICAL PARAMETERS

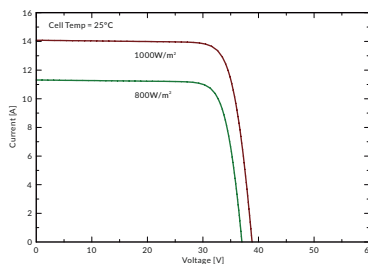
POWER CLASS	FSMH96-500W-G12
	STC
Maximum power (Pmax)	500W
Open Circuit Voltage (Voc)	43.48V
Short Circuit Current (Isc)	15.03A
Voltage at Maximum power (Vmpp)	37.17V
Current Maximum Power (Impp)	13.45A
MODULE EFFICIENCY (%)	23.1%

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G

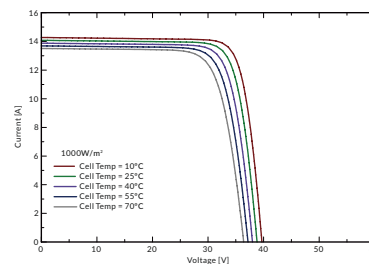
PACKING CONFIGURATION

Container	40'HC (30mm optional)
Pieces per pallet	36
Pallets per container	24
Pieces per container	864

I-V CURVE



FSMH96-500-G12/I-V



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	25A
Power Tolerance	0/+5W

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (NMOT)	45±2°C
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.045%/°C

Note: The specifications, data and technical characteristics provided in this data sheet are subject to changes due to continuous R&D, product innovation and improvement. FLAGSUN SOLAR reserves the right to modify the information any time without prior notice.