



HALF MONO 120PCS SERIES MODULE

Industry leading module power output warranty
International quality, safety and performance
certifications.

Manufacturing facility certified to ISO9001 quality
management system standards.

Beautiful appearance, good durability & easy
installation.

Special design in accordance with requirements
of customers.



FOR PRODUCT DEFECTS IN
MATERIALS / WORKMANSHIP



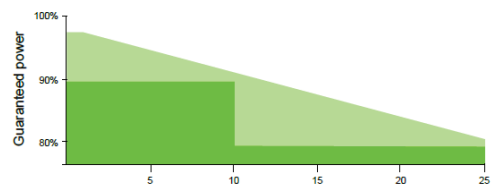
FOR 90% OF WARRANTED
MINIMUM POWER OUTPUT



FOR 80% OF WARRANTED
MINIMUM POWER OUTPUT



LINEAR WARRANTY

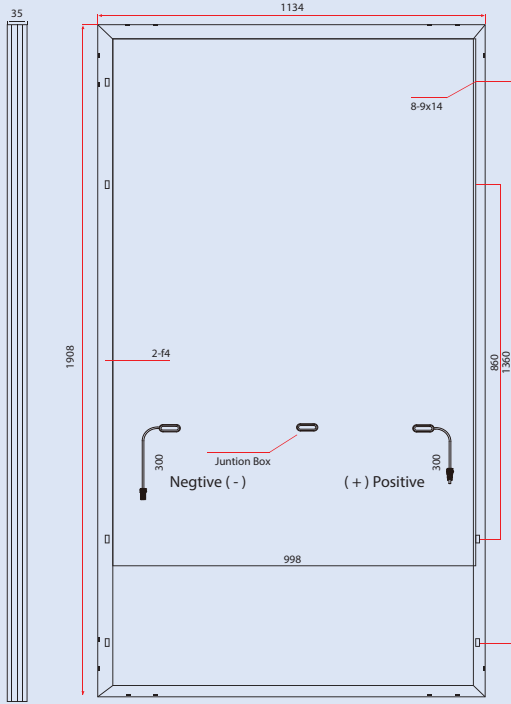




SR-460/455/450/445/-120HM

Product Specification

DIMENSIONS AND STRUCTURE



ELECTRICAL PARAMETERS AT STANDARD TEST CONDITIONS (STC:AM=1.5, 1000W/M2, CELLS TEMPERATURE 25°C)

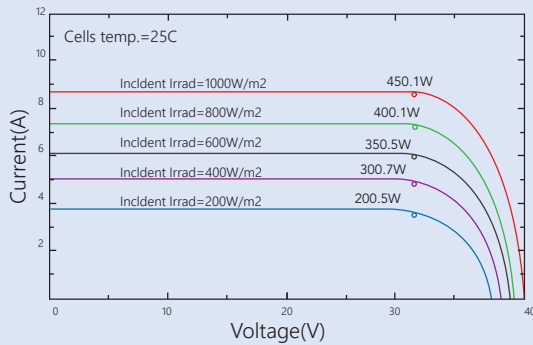
Typical type	460W	455W	450W	445W
Max power (Pmax)	460	455	450	445
Max power voltage (Vmp)	34.42	34.36	34.31	34.26
Max power current (Imp)	13.37	13.25	13.12	12.99
Open circuit voltage (Voc)	41.68	41.62	41.56	41.50
Short circuit current (Isc)	14.09	13.95	13.81	13.67
Module Efficiency (%)	21.26	21.02	20.79	20.56
Max system voltage	DC 1500(TUV)			
Maximum Series Fuse Rating	25A			

MECHANICAL DATA

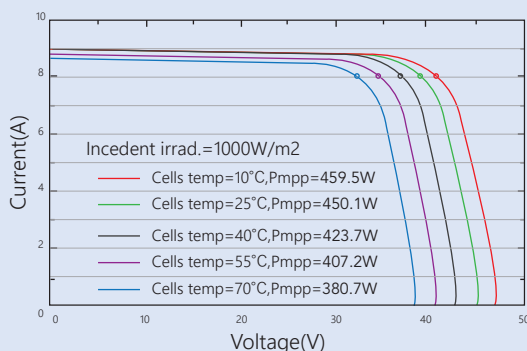
Dimensions	1908×1134×35mm
Weight	24kgs
Front glass	3.2 mm tempered glass
Output cables	4 mm ² length 300 mm
Connectors	MC4 comatible ≥IP67
Cell type	Mono Cell 182*91 mm
Number of cells	120 cells in series

I-V CURVE

I-V CURVES AT DIFFERENT IRRADIANCE



I-V CURVES AT DIFFERENT TEMPERATURE



TEMPERATURE CHARACTERISTICS

Temp.Coeff.of Isc(TK Isc)	0.05% / °C
Temp.Coeff.of Voc(TK Voc) °C Temp.Coeff.of	(-0.29%) / °C
Pmax(TK Pmax)	(-0.39%) / °C
Operating temperature	(-40~+85%) °C
Normal operating cell temperature	45±2°C

PACKING CONFIGURATION

Container	20 GP	40 GP	40 HQ
Pieces per pallet	62	62	62
Pallets per container	6	12	12
Pieces per container	372	744	744

TESTS,CERTIFICATIONS

Standard tests	IEC 61215, IEC 61730
System certs	ISO 9001, ISO14001
Certifications	CQC,TUV,CE,MCS,CEC,CHUBB
Extreme wind and	Withstand extreme wind(2400 Pascal)
Snow loads testing	Snow loads(5400 Pascal)
Positive tolerance	0~+5W
Junction box	≥IP67