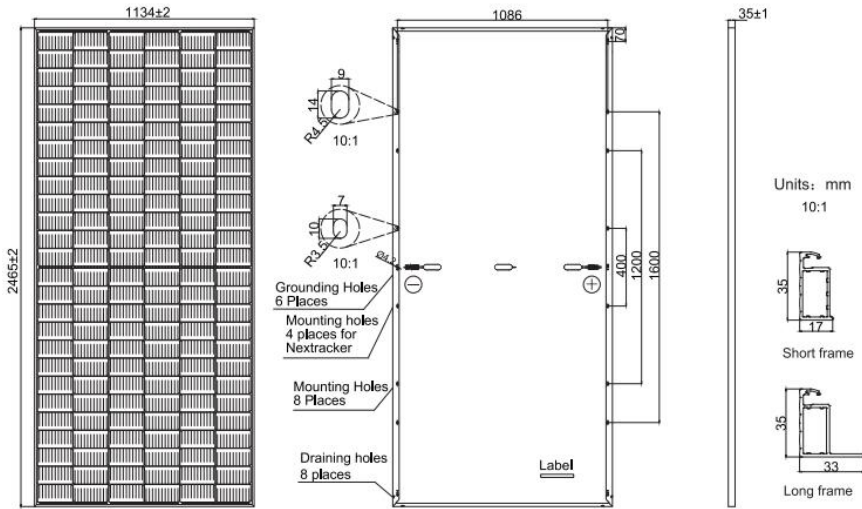


SN580W-605W/189MM



SOLAR MODULE MONOCRSTALLINE

MECHANICAL DIAGRAMS



Remark: customized frame color and cable length available upon request

SPECIFICATIONS

Cell	Mono
Weight	31.1kg
Dimensions	2465±2mm×1134±2mm×35±1mm
Cable Cross Section Size	4mm ² (IEC) , 12 AWG(UL)
No. of cells	156(6×26)
Junction Box	IP68, 3 diodes
Connector	MC4-EVO2/ QC 4.10-35
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-); Landscape: 1500mm(+)/1500mm(-)
Packaging Configuration	31pcs/Pallet 496pcs/40HQ Container

ELECTRICAL PARAMETERS AT STC

TYPE	SN 580W	SN 585W	SN 590W	SN 595W	SN 600W	SN 605W
Rated Maximum Power(Pmax) [W]	580	585	590	595	600	605
Open Circuit Voltage(Voc) [V]	53.11	53.20	53.30	53.40	53.50	53.61
Maximum Power Voltage(Vmp) [V]	44.35	44.56	44.80	45.05	45.30	45.53
Short Circuit Current(Isc) [A]	13.84	13.88	13.93	13.98	14.03	14.08
Maximum Power Current(Imp) [A]	13.08	13.13	13.17	13.21	13.25	13.29
Module Efficiency [%]	20.7	20.9	21.1	21.3	21.5	21.6
Power Tolerance				0~+5W		
Temperature Coefficient of Isc(α_{Isc})				+0.045%/°C		
Temperature Coefficient of Voc(β_{Voc})				-0.275%/°C		
Temperature Coefficient of Pmax(γ_{Pmp})				-0.350%/°C		
STC	Irradiance 1000W/m ² , 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 PARAMETERS AT NOCT

TYPE	SN 580W	SN 585W	SN 590W	SN 595W	SN 600W	SN 605W
Rated Max Power(Pmax) [W]	438	442	446	450	454	458
Open Circuit Voltage(Voc) [V]	50.45	50.59	50.72	50.86	51.01	51.17
Max Power Voltage(Vmp) [V]	42.55	42.69	42.82	42.94	43.07	43.21
Short Circuit Current(Isc) [A]	11.02	11.07	11.13	11.19	11.25	11.30
Max Power Current(Imp) [A]	10.30	10.36	10.42	10.48	10.54	10.60
NOCT	Irradiance 800W/m ² , ambient temperature 20°C, wind speed 1m/s, AM1.5G					

OPERATING CONDITIONS

Maximum System Voltage	1000V/1500V DC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	25A
Maximum Static Load, Front*	5400Pa(112lb/ft ²)
Maximum Static Load, Back*	2400Pa(50lb/ft ²)
NOCT	45±2°C
Safety Class	Class II
Fire Performance	UL Type 1

CHARACTERISTICS

SN 600W

