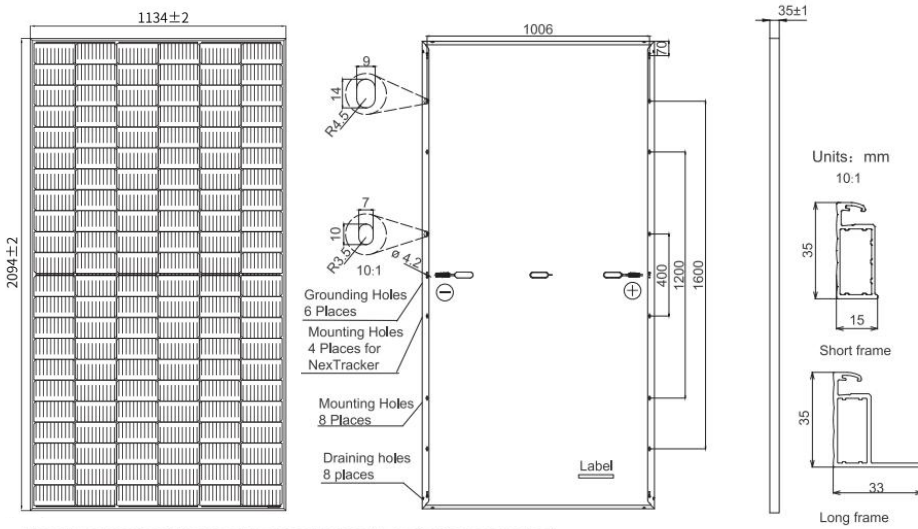


SN480W-505W/189MM



SOLAR MODULE MONOCRSTALLINE

MECHANICAL DIAGRAMS



Remark: customized frame color and cable length available upon request

SPECIFICATIONS

Cell	Mono
Weight	26.3kg±3%
Dimensions	2094±2mm×1134±2mm×35±1mm
Cable Cross Section Size	4mm ² (IEC) , 12 AWG(UL)
No. of cells	144 (6×24)
Junction Box	IP68, 3 diodes
Connector	MC4-EVO2/ QC 4.10-35
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-); Landscape: 1200mm(+)/1200mm(-)
Packaging Configuration	31pcs/pallet 682pcs/40ft Container

ELECTRICAL PARAMETERS AT STC

TYPE	SN 480W	SN 485W	SN 490W	SN 495W	SN 500W	SN 505W
Rated Maximum Power(Pmax) [W]	480	485	490	495	500	505
Open Circuit Voltage(Voc) [V]	45.07	45.20	45.33	45.46	45.59	45.72
Maximum Power Voltage(Vmp) [V]	37.62	37.81	37.99	38.17	38.35	38.53
Short Circuit Current(Isc) [A]	13.65	13.72	13.79	13.86	13.93	14.00
Maximum Power Current(Imp) [A]	12.76	12.83	12.90	12.97	13.04	13.11
Module Efficiency [%]	20.2	20.4	20.6	20.8	21.1	21.3
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 480W	SN 485W	SN 490W	SN 495W	SN 500W	SN 505W
Rated Max Power(Pmax) [W]	363	367	370	374	378	382
Open Circuit Voltage(Voc) [V]	42.15	42.30	42.43	42.58	42.72	42.86
Max Power Voltage(Vmp) [V]	35.54	35.67	35.76	35.84	35.93	36.02
Short Circuit Current(Isc) [A]	10.99	11.06	11.13	11.20	11.27	11.34
Max Power Current(Imp) [A]	10.21	10.28	10.36	10.44	10.52	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	20A
Maximum Static Load,Front*	5400Pa(112 lb/ft ²)
Maximum Static Load,Back*	2400Pa(50 lb/ft ²)
NOCT	45±2 C
Safety Class	Class II
Fire Performance	UL Type 1

*For NexTracker installations ,Maximum Static Load, Front is 1800Pa while Maximum Static Load, Back is 1800Pa.

CHARACTERISTICS

SN 495W

