

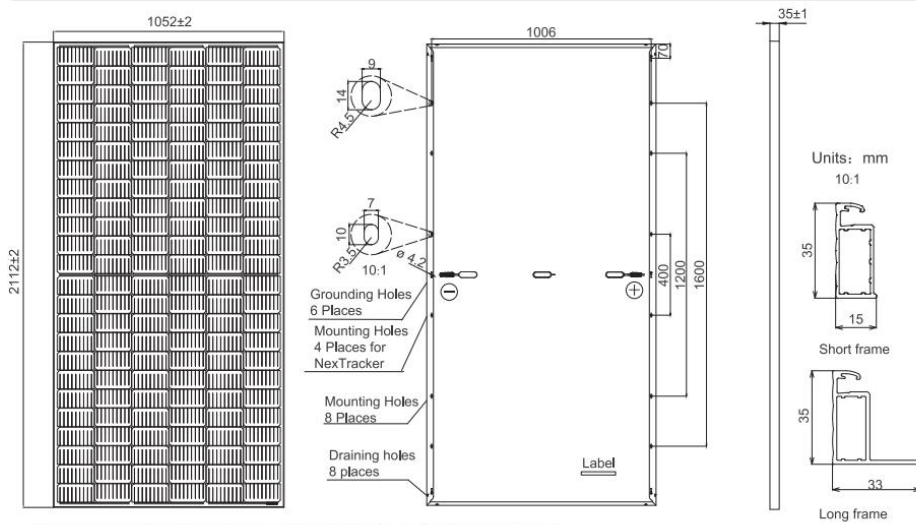
# SN445W-470W/175MM

SOLAR MODULE MONOCRSTALLINE



**SUNNO SOLAR**  
MAKE A BETTER LIFE

## MECHANICAL DIAGRAMS



Remark: customized frame color and cable length available upon request

## SPECIFICATIONS

Cell	Mono
Weight	24.5kg
Dimensions	2112±2mm×1052±2mm×35±1mm
Cable Cross Section Size	4mm <sup>2</sup> (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 445W	SN 450W	SN 455W	SN 460W	SN 465W	SN 470W
Rated Maximum Power(Pmax) [W]	445	450	455	460	465	470
Open Circuit Voltage(Voc) [V]	49.56	49.70	49.85	50.01	50.15	50.31
Maximum Power Voltage(Vmp) [V]	41.21	41.52	41.82	42.13	42.43	42.69
Short Circuit Current(Isc) [A]	11.32	11.36	11.41	11.45	11.49	11.53
Maximum Power Current(Imp) [A]	10.80	10.84	10.88	10.92	10.96	11.01
Module Efficiency [%]	20.0	20.3	20.5	20.7	20.9	21.2
Power Tolerance	0~+5W					
Temperature Coefficient of Isc( $\alpha_{Isc}$ )	+0.044%/°C					
Temperature Coefficient of Voc( $\beta_{Voc}$ )	-0.272%/°C					
Temperature Coefficient of Pmax( $\gamma_{Pmp}$ )	-0.350%/C					
STC	Irradiance 1000W/m <sup>2</sup> , 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 445W	SN 450W	SN 455W	SN 460W	SN 465W	SN 470W
Rated Max Power(Pmax) [W]	336	340	344	348	352	355
Open Circuit Voltage(Voc) [V]	46.65	46.90	47.15	47.38	47.61	47.84
Max Power Voltage(Vmp) [V]	38.95	39.19	39.44	39.68	39.90	40.10
Short Circuit Current(Isc) [A]	9.20	9.25	9.29	9.33	9.38	9.42
Max Power Current(Imp) [A]	8.64	8.68	8.72	8.76	8.81	8.86
NOCT	Irradiance 800W/m <sup>2</sup> , 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 <sup>2</sup> )
Maximum Static Load,Back*	2400Pa(50 lb/ft <sup>2</sup> )
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 455W

