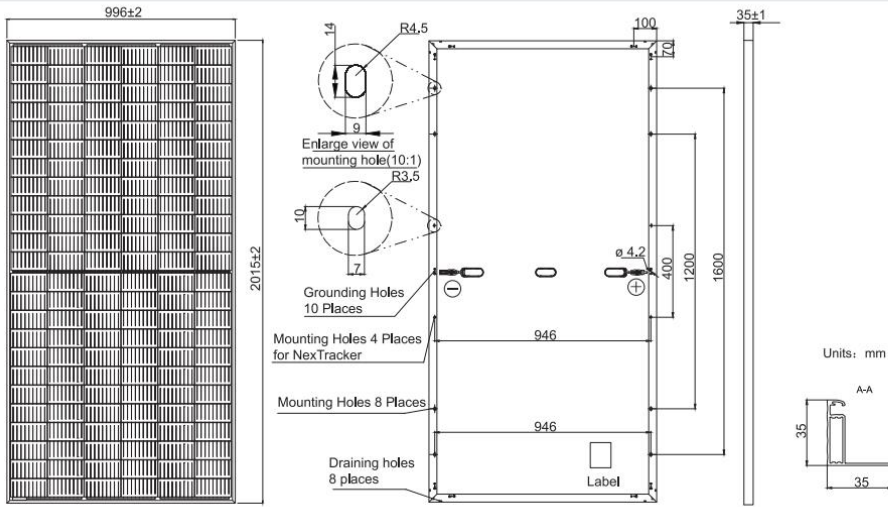


# SN400W-420W/166MM



## SOLAR MODULE PERC MONO CRSTALLINE

### MECHANICAL DIAGRAMS



Remark: customized frame color and cable length available upon request

### SPECIFICATIONS

Cell	Mono
Weight	22.4kg±3%
Dimensions	2015±2mm×996±2mm×35±1mm
Cable Cross Section Size	4mm <sup>2</sup> (IEC),12AWG(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/40HQ Container

### ELECTRICAL PARAMETERS AT STC

TYPE	SN 400W	SN 405W	SN 410W	SN 415W	SN 420W
Rated Maximum Power(Pmax) [W]	400	405	410	415	420
Open Circuit Voltage(Voc) [V]	49.58	49.86	50.12	50.41	50.70
Maximum Power Voltage(Vmp) [V]	41.33	41.60	41.88	42.18	42.47
Short Circuit Current(Isc) [A]	10.33	10.39	10.45	10.51	10.56
Maximum Power Current(Impp) [A]	9.68	9.74	9.79	9.84	9.89
Module Efficiency [%]	19.9	20.2	20.4	20.7	20.9
Power Tolerance	0~+5W				
Temperature Coefficient of Isc(α <sub>Isc</sub> )	+0.044%/°C				
Temperature Coefficient of Voc(β <sub>Voc</sub> )	-0.272%/°C				
Temperature Coefficient of Pmax(γ <sub>Pmp</sub> )	-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.  
\*For NexTracker installations static loading performance: front load measures 2400Pa, while back load measures 2400Pa.

### ELECTRICAL PARAMETERS AT NOCT

TYPE	SN 400W	SN 405W	SN 410W	SN 415W	SN 420W
Rated Max Power(Pmax) [W]	302	306	310	314	318
Open Circuit Voltage(Voc) [V]	46.41	46.66	46.91	47.16	47.38
Max Power Voltage(Vmp) [V]	38.65	38.90	39.16	39.41	39.60
Short Circuit Current(Isc) [A]	8.25	8.31	8.36	8.41	8.46
Max Power Current(Impp) [A]	7.81	7.87	7.92	7.97	8.03
NOCT	Irradiance 800W/m <sup>2</sup> , ambient temperature 20°C, wind speed 1m/s, AM1.5G				

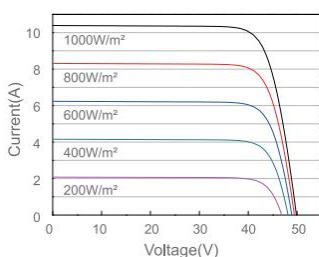
### OPERATING CONDITIONS

Maximum System Voltage	1000V/1500V DC(IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	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

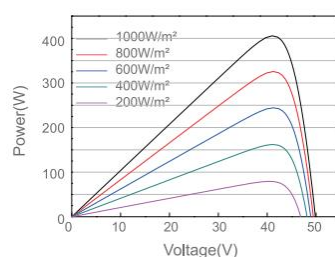
### CHARACTERISTICS

#### SN 405W

Current-Voltage Curve



Power-Voltage Curve



Current-Voltage Curve

