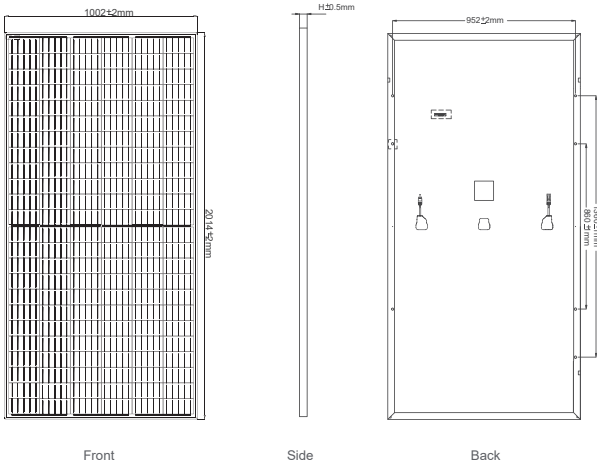


Mono Half-cut 144pcs 420-440W

Dimensions



Specifications (STC)

	420Wp	425Wp	430Wp	435Wp	440Wp
Maximum Power (Pmax)	420Wp	425Wp	430Wp	435Wp	440Wp
Maximum Power Voltage (Vmp)	42.9V	43.1V	43.4V	43.7V	44V
Maximum Power Current (Imp)	9.71A	9.82A	9.93A	10.04A	10.15A
Open-circuit Voltage (Voc)	51V	51.3V	51.6V	51.9V	52.2V
Short-circuit Current (Isc)	10.98A	11.09A	11.2A	11.31A	11.42A
Module Efficiency STC (%)	20.81%	21.06%	21.31%	21.56%	21.80%

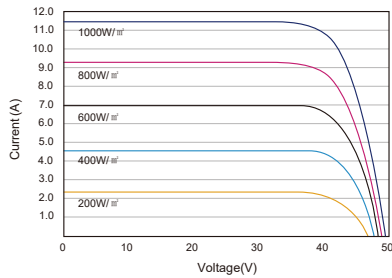
At standard test conditions (STC): Irradiance 1000W/m², Cell temperature 25°C, AM=1.5

Specifications (NOCT)

	420Wp	425Wp	430Wp	435Wp	440Wp
Maximum Power (Pmax)	318Wp	322Wp	326Wp	330Wp	334Wp
Maximum Power Voltage (Vmp)	40.7V	40.9V	41.2V	41.5V	41.8V
Maximum Power Current (Imp)	7.86A	7.92A	7.98A	8.04A	8.1A
Open-circuit Voltage (Voc)	49.5V	49.8V	50.1V	50.3V	50.5V
Short-circuit Current (Isc)	8.43A	8.5A	8.57A	8.64A	8.71A

NOCT: Irradiance 800W/m², Ambient temperature 20°C, Wind speed 1m/s, AM=1.5

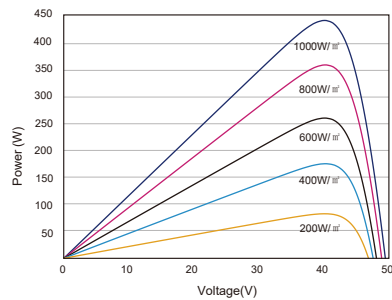
I-V Curve (440W)



Mechanical Data

Cell Type	Mono PERC cell
Cell number	144 (6×24)
Weight	22.5kg(49.6lbs)
Dimensions	2014*1002*40mm (79.29×39.45×1.57 inch)
Front Cover	3.2mm low iron tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP67 Rated
Output Cables	TÜV 1x4.0mm ² , (+) 290mm, (-) 145mm or Customized Length

P-V Curve (440W)



Packaging Configuration

144pcs/144pcs/144pcs/144pcs/144pcs

144pcs/144pcs/144pcs/144pcs/144pcs

Maximum Ratings

Operating Temperature (°C)	-40°C~+85°C
Maximum System Voltage	1500VDC (IEC)
Maximum Series Fuse Rating	20A
Power Tolerance	0~+3W
Temperature Coefficients of Pmax	-0.37%/°C
Temperature Coefficients of Voc	-0.28%/°C
Temperature Coefficients of Isc	0.048%/°C
Nominal Operating Cell Temperature (NOCT)	45±2°C