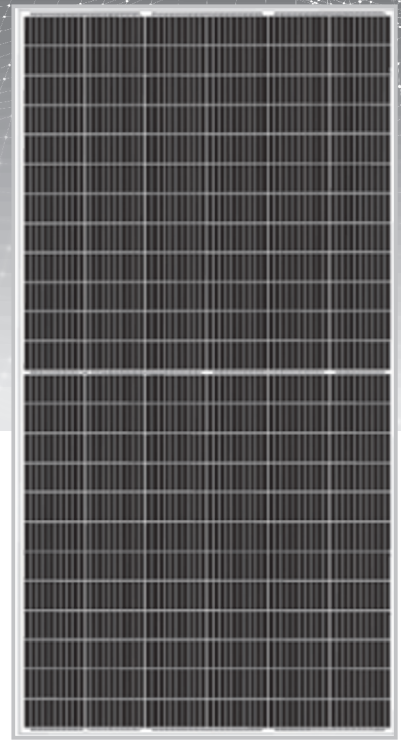


430-450W

XP- 450W- 72MD 144 Cells

High Efficiency Half-Cell Mono PERC Module



Comprehensive Products and System Certificates

OHSAS 18001: Occupational Health and Safety Management System

ISO 14001: Environmental Management System

ISO 9001: Quality Management System



Half-cut cell technology
New circuit design,
lower internal current, lower Rs loss



3 times EL test to ensure best quality



Resistant to salt-spray corrosion
(IEC61701, certified to TÜV Rheinland test standard)



Special circuit design
With much lower hot spot temperature



PID FREE
Resistant to power
Attenuation passed TÜV Rheinland
system voltage endurance test



Special cell process ensures great
performance under low irradiance conditions

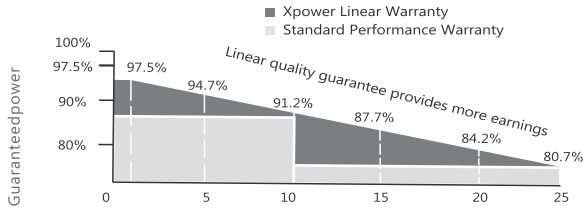
Linear Performance Warranty

15 YEARS

Product quality & process guarantee

25 YEARS

Linear power guarantee

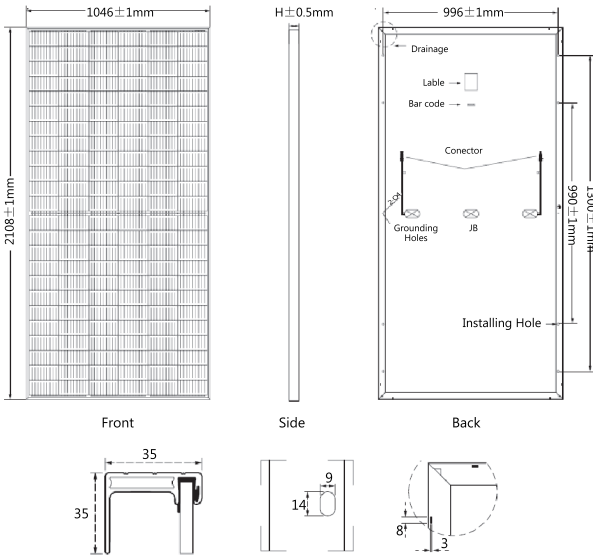


Product Insurance



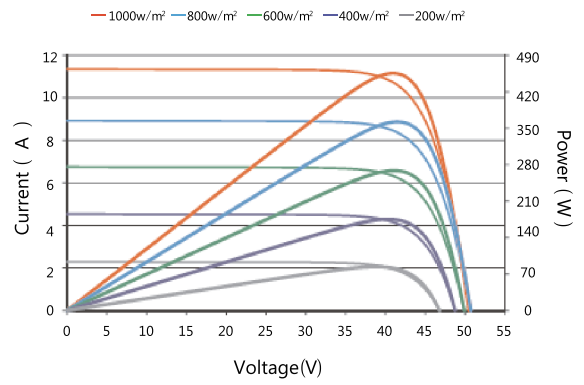
XP-450W-72MD Monocrystalline Module

DESIGN



Current-Voltage & Power-Voltage

Curves(450W)



STRUCTURAL CHARACTERISTICS

Module dimensions (L*W*H)	2108 x 1046 x 35mm
Weight	24.0 kg
Number of cells	144 cells (6x24)
Cell	PERC Monocrystalline 166x83mm
Glass	Tempered, 3.2mm AR, High transmittance, Low iron
Frame	Anodized aluminum alloy
Junction box	IP67
Output wire	4.0 mm², wire length: 300mm or Customized Length
Connector	MC4 Compatible
Mechanical load	5400 Pa

TEMPERFORMANCE RATINGS

Temperature coefficient (P _{max})	-0.37 %/ °C
Temperature coefficient (V _{oc})	-0.29 %/ °C
Temperature coefficient (I _{sc})	+0.05 %/ °C
Nominal operating cell temperature	45±2°C

PACKAGING CONFIGURATION

Container	40HQ
Quantity/pallet	31
Pallets/container	22
Quantity/container	704

ELECTRIC CHARACTERISTICS

Model of modules	XP-430W-72MD XP-430W-72MDH		XP-435W-72MD XP-435W-72MDH		XP-440W-72MD XP-440W-72MDH		XP-445W-72MD XP-445W-72MDH		XP-450W-72MD XP-450W-72MDH	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power – P _{mp} (W)	430	326	435	330	440	334	445	338	450	342
Open-circuit voltage – V _{oc} (V)	49.77	47.12	50.04	47.38	50.08	47.44	50.24	47.59	50.40	47.76
Short-circuit current – I _{sc} (A)	11.19	8.99	11.26	9.05	11.33	9.10	11.40	9.16	11.47	9.22
Maximum power voltage – V _{mp} (V)	40.81	38.45	40.87	38.51	40.97	38.61	41.17	38.81	41.30	38.94
Maximum power current – I _{mp} (A)	10.56	8.48	10.66	8.57	10.74	8.66	10.81	8.71	10.90	8.79
Module efficiency – η _m (%)	19.5%		19.73%		19.96%		20.18%		20.41%	
Power tolerance (W)	(0,+5)									
Maximum system voltage (V)	1000V/1500V									
Maximum rated fuse current (A)	15									
Current operating temperature (°C)	-40→+85 °C									

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25 °C, Spectra at AM1.5

NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s