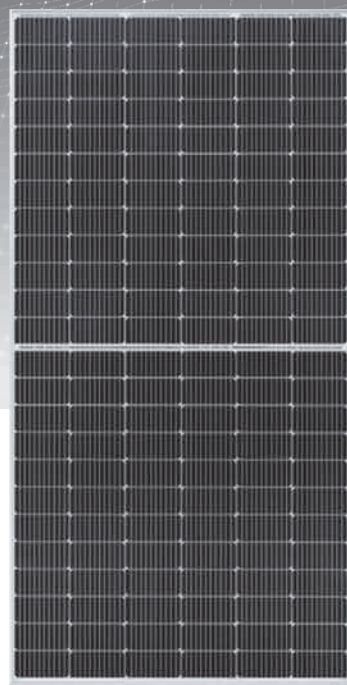


# 520-550W

## XP- 550W- 72MDH 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



M10 wafer with gallium-doped technology



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



Special circuit design  
With much lower hot spot temperature

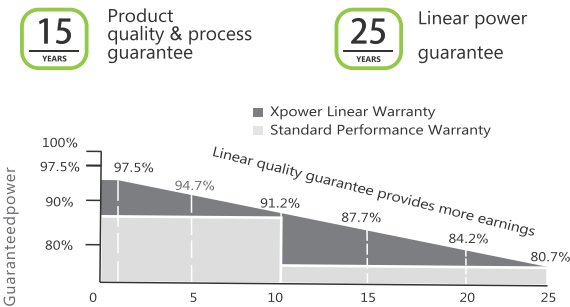


PID FREE  
Resistant to power  
Attenuation passed TÜV Rheinland  
system voltage endurance test



Special cell process ensures great  
performance under low irradiance conditions

### Linear Performance Warranty

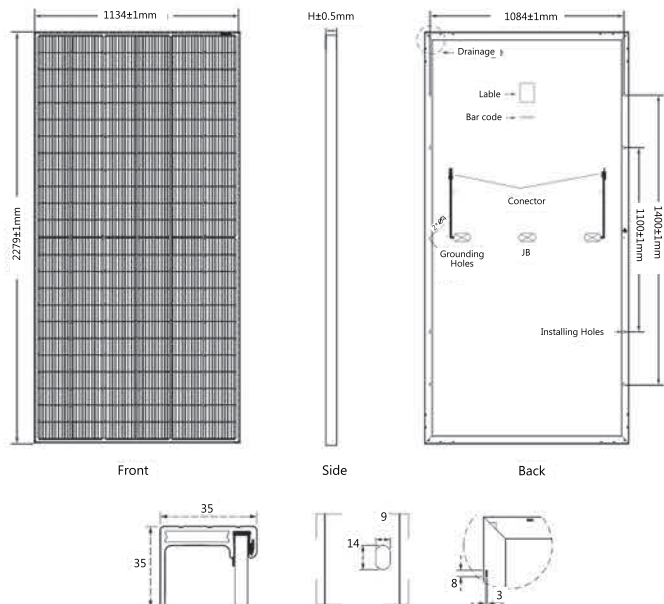


Product Insurance



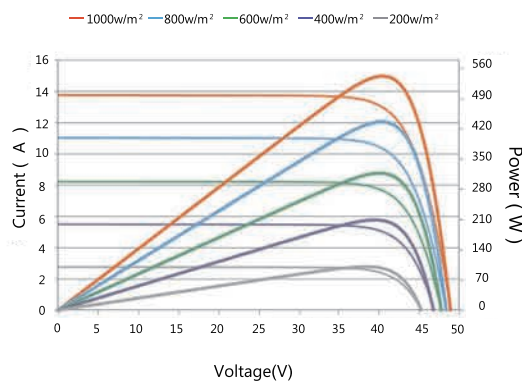
## XP- 550W- 72MDH Monocrystalline Module

### DESIGN



### Current-Voltage & Power-Voltage

#### Curves(540W)



### STRUCTURAL CHARACTERISTICS

Module dimensions (L*W*H)	2279 x 1134 x 35mm
Weight	28.9 kg
Number of cells	144 cells
Cell	PERC Monocrystalline 182x91mm
Glass	Tempered, 3.2mm AR, High transmittance, Low iron
Frame	Anodized aluminum alloy
Junction box	IP68
Output wire	4.0 mm², wire length:300mm
Connector	MC4 Compatible
Mechanical load	5400Pa

### TEMPERFORMANCE RATINGS

Temperature coefficient (P <sub>max</sub> )	-0.35 %/°C
Temperature coefficient (V <sub>oc</sub> )	-0.28 %/°C
Temperature coefficient (I <sub>sc</sub> )	+0.048 %/°C
Nominal operating cell temperature	45±2 °C

### PACKAGING CONFIGURATION

Container	40HQ
Quantity/pallet	31
Pallets/container	20
Quantity/container	620

### ELECTRIC CHARACTERISTICS

Model of modules	XP-520W-72MDH		XP-530W-72MDH		XP-540W-72MDH		XP-550W-72MDH	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power – P <sub>mp</sub> (W)	520	387	530	394	540	402	550	410
Open-circuit voltage – V <sub>oc</sub> (V)	49.10	46.34	49.26	46.50	49.42	46.65	49.60	46.82
Short-circuit current – I <sub>sc</sub> (A)	13.57	10.96	13.71	11.07	13.85	11.19	14.04	11.35
Maximum power voltage – V <sub>mp</sub> (V)	40.44	37.54	40.54	37.86	40.71	38.11	40.83	38.25
Maximum power current – I <sub>mp</sub> (A)	12.86	10.32	13.08	10.41	13.27	10.56	13.48	10.73
Module efficiency – η <sub>m</sub> (%)	20.12%		20.51%		20.89%		21.28%	
Power tolerance (W)	(0,+5)							
Maximum system voltage (V)	1500V							
Maximum rated fuse current (A)	25							
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