

# 430W-440W

## XP-MH54L-430W-440W X-HiPer Series

HIGH EFFICIENCY HETEROJUNCTION CELL TECHNOLOGY  
The solar cells made of silicon

### Comprehensive Products and System Certificates

- OHSAS 1 8001: Occupational Health and Safety Management System
- ISO 1 4001: Environmental Management System
- ISO 9001: Quality Management System



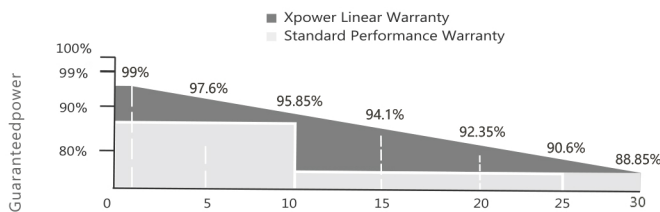
### Linear Performance Warranty

15 YEARS

Industry Leading Product Warranty on Materials and Workmanship

30 YEARS

Linear Power Performance Warranty



Product Insurance



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 TUV Rheinland test standard)



Special circuit design  
With much lower hot spot temperature



No B-O LID, excellent anti-leTID & anti-PID performance. Low power degradation, high energy yield



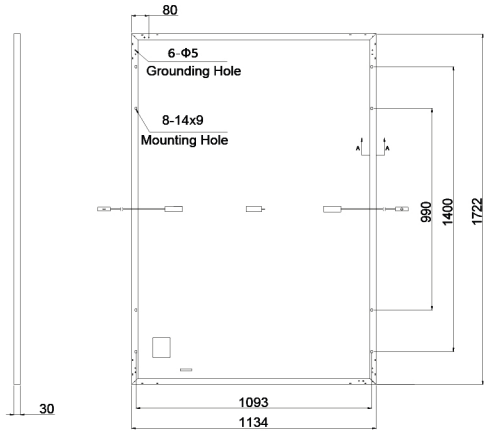
Special cell process ensures great performance under low irradiance conditions

# XP-MH54L-430W-440W

## Monocrystalline Module

### DESIGN

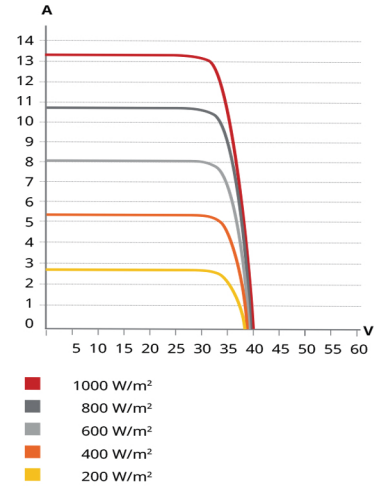
Rear View



Frame Cross Section A-A



### Current-Voltage & Power-Voltage Curves(430W)



### STRUCTURAL CHARACTERISTICS

Module dimensions (L*W*H)	1722 x 1134 x 30 mm
Weight	21.0 kg
Number of cells	108 cells
Cell	HJT Monocrystalline 182 x 91mm
Glass	Tempered 3.2mm AR, High transmittance, Low iron
Frame	Anodized aluminium alloy
Junction box	IP68, 3 diodes
Output wire	4.0mm², wire length: 400mm
Connector	MC4 Compatible
Mechanical load	5400Pa

### TEMPERFORMANCE RATINGS

Temperature coefficient ( $P_{max}$ )	-0.26%/°C
Temperature coefficient ( $V_{oc}$ )	-0.24%/°C
Temperature coefficient ( $I_{sc}$ )	0.04%/°C
Nominal operating cell temperature	41±3°C

### PACKAGING CONFIGURATION

Container	40HQ
Quantity/pallet	36
Pallets/container	26
Quantity/container	936

### ELECTRIC CHARACTERISTICS

Model of modules	XP-MH54L-430W		XP-MH54L-435W		XP-MH54L-440W	
	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power – $P_{mp}$ (W)	430	329	435	332	440	336
Open-circuit voltage – $V_{oc}$ (V)	40.1	38.2	40.2	38.2	40.3	38.3
Short-circuit current – $I_{sc}$ (A)	13.38	10.78	13.43	10.82	13.48	10.86
Maximum power voltage – $V_{mp}$ (V)	33.7	32.3	33.8	32.4	33.9	32.4
Maximum power current – $I_{mp}$ (A)	12.76	10.17	12.89	10.27	13.02	10.37
Module efficiency – $\eta_m$ (%)	22.0%		22.3%		22.5%	
Module efficiency w/m²	220.2W		222.8W		225.3W	
Power tolerance (W)			(0, +5)			
Maximum system voltage (V)			1500V			
Maximum rated fuse current (A)			25A			
Current operating temperature (C )			-40°C ~ +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