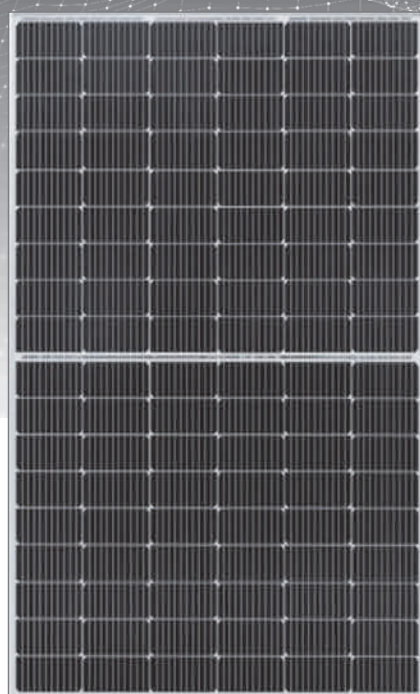


400-410W

XP- 410W- 54MDH 108 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



Resistant to power
Attenuation passed TÜV Rheinland
system voltage endurance test



Special cell process ensures great
performance under low irradiance conditions

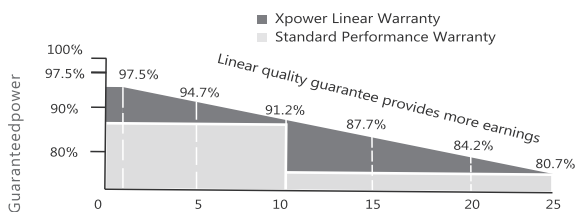
Linear Performance Warranty

15
YEARS

Product
quality & process
guarantee

25
YEARS

Linear power
guarantee

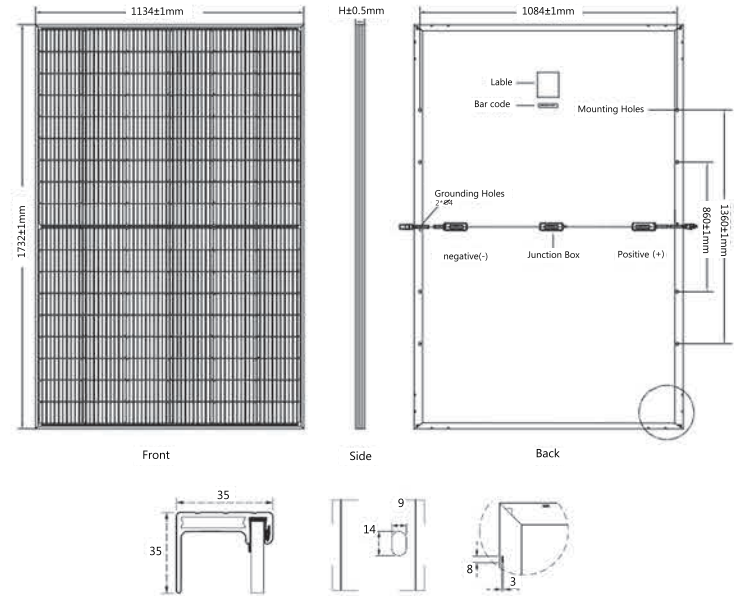


Product Insurance

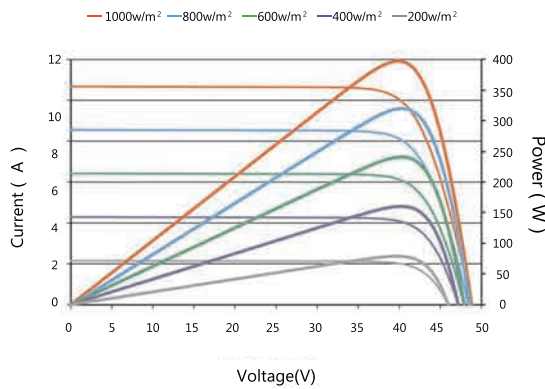


XP- 410W- 54MDH Monocrystalline Module

DESIGN



Current-Voltage & Power-Voltage Curves(400W)



STRUCTURAL CHARACTERISTICS

Module dimensions (L*W*H)	1732 x1134x 35mm
Weight	21 kg
Number of cells	108cells
Cell	PERC Monocrystalline 182x91mm
Glass	Tempered,3.2mm AR,High transmittance, Low iron
Frame	Anodized aluminum alloy
Junction box	IP68, 3 diodes
Output wire	4.0 mm ² ,wire length:300mm
Connector	MC4 Compatible
Mechanical load	5400Pa

TEMPERFORMANCE RATINGS

Temperature coefficient (P _{max})	-0.35 %/°C
Temperature coefficient (V _{oc})	-0.27 %/°C
Temperature coefficient (I _{sc})	+0.05 %/°C
Nomial operating cell temperature	45±2 °C

PACKAGING CONFIGURATION

Container	40HQ
Quantity/pallet	31
Pallets/container	26
Quantity/container	806

ELECTRIC CHARACTERISTICS

Model of modules	XP-400W-54MDH		XP-405W-54MDH		XP-410W-54MDH	
	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power – P _{mp} (W)	400	298	405	302	410	305
Open-circuit voltage – V _{oc} (V)	37.18	34.95	37.33	35.09	37.68	35.42
Short-circuit current – I _{sc} (A)	13.39	10.85	13.44	10.89	13.59	11.01
Maximum power voltage – V _{mp} (V)	31.42	29.22	31.55	29.35	31.84	29.61
Maximum power current – I _{mp} (A)	12.74	10.21	12.84	10.29	12.88	10.31
Module efficiency – η _m (%)	20.37%		20.62%		20.87%	
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