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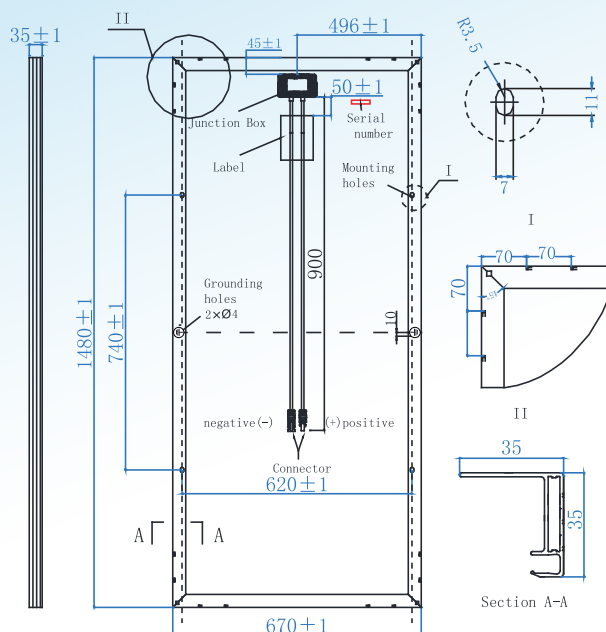
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Solar Panel Guide

Specification Data Sheet

Learn more at energypal.com/best-solar-panels-for-homes



ELECTRICAL PERFORMANCE

All specified Parameters are at STC 25°C Ambient, 1000W/m² irradiance and AM 1.5

Type		PR-130M6-36	PR-135M6-36	PR-140M6-36	PR-145M6-36	PR-150M6-36	PR-155M6-36
Power Output	P _{max} (W)	130	135	140	145	150	155
Power Output Tolerance	P _{max} (%)	0~+3	0~+3	0~+3	0~+3	0~+3	0~+3
Max-Power Voltage	V _{mp} (V)	16.67	17.05	17.60	18.04	18.30	18.45
Max-Power Current	I _{mp} (A)	7.8	7.92	7.96	8.04	8.20	8.41
Open-Circuit Voltage	V _{oc} (V)	22.46	22.52	22.60	22.67	22.80	22.91
Short-Circuit Current	I _{sc} (A)	8.30	8.47	8.55	8.67	8.77	8.78
Cell Efficiency	(%)	15.7	16.3	16.9	17.5	18.1	18.7
Module Efficiency	(%)	13.1	13.6	14.1	14.6	15.1	15.6

THERMAL CHARACTERISTICS

Nominal Operating Cell Temperature	NOCT(°C)	45±2
Temperature Coefficients of P _{max}	(%/°C)	-0.438
Temperature Coefficients of V _{oc}	(%/°C)	-0.297
Temperature Coefficients of I _{sc}	(%/°C)	0.037

OPERATING CONDITIONS

Maximum System Voltage (VDC)	1000V(IEC)
Maximum Series Fuse (A)	15
Operating Temperature (°C)	-40~+85
Maximum Load(snow/wind)	5400pa/2400pa

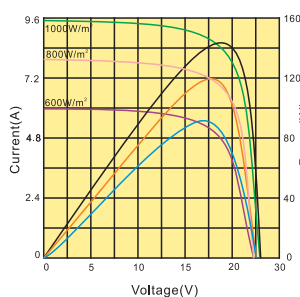
MECHANICAL CHARACTERISTICS

Solar cells(type/dimension)	Mono-Crystalline Silicon/156mm*156mm
Cells number	36pcs(4*9)
Front cover(material/thickness)	Low iron tempered glass/3.2mm
Backsheet(color)	White
Frame(material/color)	Anodized aluminum alloy/Silver
Junction box(protection degree)	≥ IP65
Cables/Plug Connector	Diameter 4mm ² , Length 900mm/MC4 or MC4 compatible
Module Dimension	1480×670×35mm
Module Weight	12kg

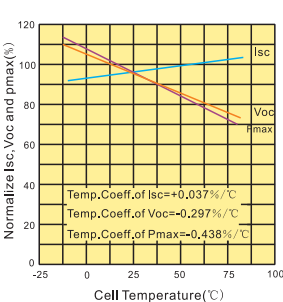
PACKING DETAILS

Container	20'GP	40'HQ
Pieces per pallet	66	80
Pallets per container	7	15
Pieces per container	462	1200

Electrical performance
(cell temperature:25°C)



Temperature dependence of I_{sc},
V_{oc} and p_{max}



Irradiance dependence of I_{sc},
V_{oc} and p_{max} cell.temperature:25°C

