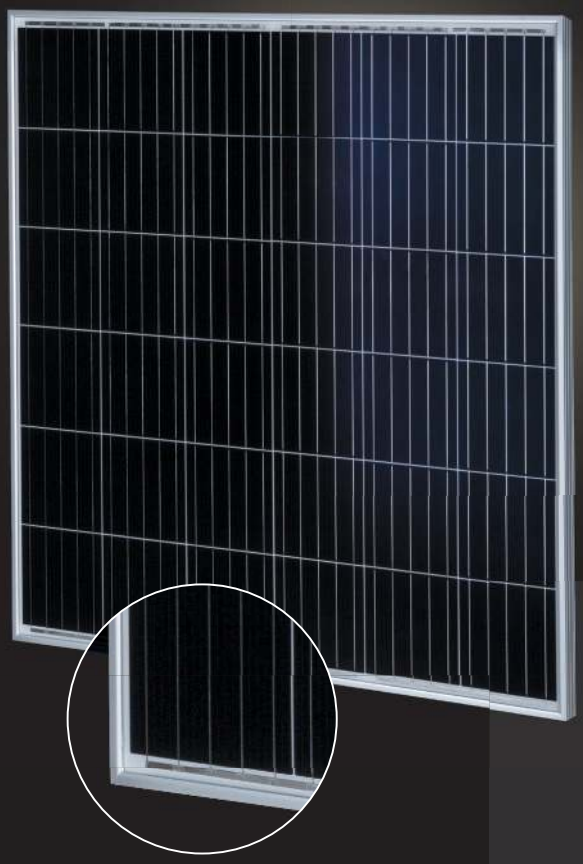
Polycrystalline 36 cells

PLUTO

12 V

Guaranteed positive output
selection 0 ~ +5 Wp
by single measuring

3.2 mm anti-reflective glass

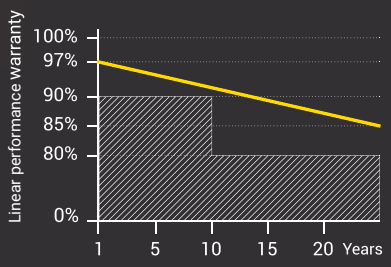


SILVER | WHITE

Maximum stability through
aluminium soft grip frame

Maximum 5400 Pa snow load

15 years manufacturer's warranty
25 years linear performance guarantee



OUTPUT: 130 - 150 WATT

The PLUTO series 36-cell polycrystalline photovoltaic modules are simple to install, mount and commission. They can be used in all applications with a self-contained battery such as campers, bungalows and all off-grid systems. Thanks to the bypass diodes built into the junction box, the module continues to produce electricity even when it is shaded or in low light. It is stable even in extreme conditions because it is enclosed in a hollow chamber profile frame. Thanks to their anti-reflective glass, the PLUTO series modules let in a lot more light. The efficiency of their cells is 18.5%.

EXE®

power for a better world

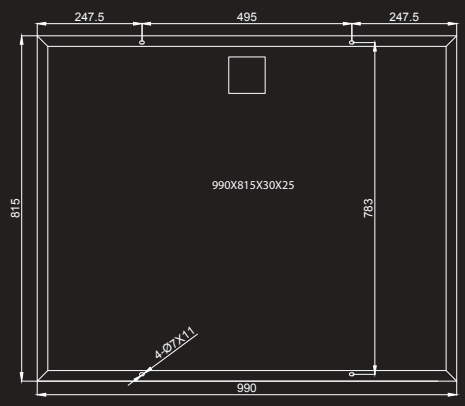
STC	A-P130/36	A-P140/36	A-P150/36
Maximum Power (Pmax) (W)	130	140	150
Open Circuit Voltage (Voc) (V)	22.90	22.99	23.09
Short Circuit Current (Isc) (A)	7.35	7.87	8.39
Voltage at Maximum Power (Vmpp) (V)	18.70	18.80	18.97
Current at Maximum Power (Impp) (A)	7.12	7.45	7.92
Module Efficiency (%)	16.11	17.35	18.59

STC (Standard Testing Condition): Irradiance 1000 W/m², Cell Temperature 25 ºC, Spectra at AM 1.5; Test uncertainity tolerance for Pmax, Voc and Isc: ±3 %

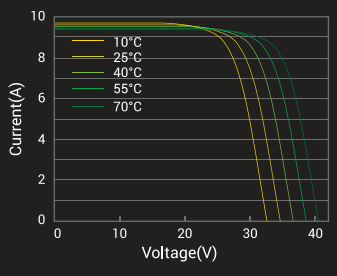
Temperature Characteristics	
Pmax Temperature Coefficients (W / °C)	-0.40 % / °C
Voc Temperature Coefficients (V / °C)	-0.33 % / °C
Isc Temperature Coefficients (A / °C)	+0.05 % / °C
NMOT Nominal Operating Cell Temperature (°C)	45 ±2 °C
Operating Module Temperature	-40 °C ~ +85 °C

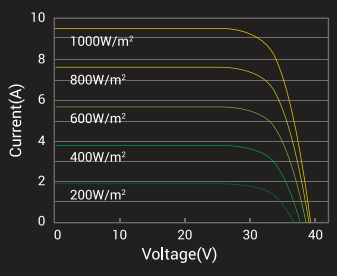
Specifications	
Cell Type	Poly 5BB
Weight	9 kg ±3 %
Dimensions	990x815x30 mm (±0.7 %)
Cable Cross Section Size	4 mm², cable approx 30 cm, QC4 compatible
No. of cells	36 (6x6)
Junction Box	IP67, 3 diodes
Frame	Silver anodized aluminium
Front glass	3.2 mm high transmission, low iron, tempered glass

(990x815x30)



I-V Curve: (A-P150)





CE

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V1/04.2021
Due to continuous innovation and improvement, technical data are subject to change without prior notice.
Measurement tolerances ±3 %