



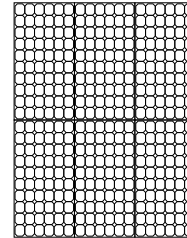
Technical Specification for Monocrystalline Series CA-PI80 Solar Panels

Electrical Specification

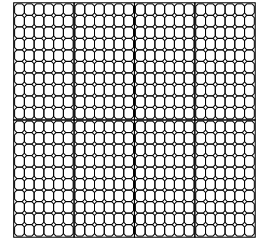
Model Reference	CA-PI80
P _{mpp} (Wp)	180
V _{oc} (V)	44.8
I _{sc} (A)	5.29
V _{mpp} (V)	36
I _{mp} (A)	5
Practical module efficiency	17.09%
Maximum system voltage (V)	1000
Voltage temperature coefficients	-0.37%/K
Current temperature coefficients	+0.03%/K
Power temperature coefficients	-0.52%/K
Series fuse rating (A)	15
Cells	6 x 10 pieces monocrystalline solar cells series strings (156mm x 156mm)
Junction Box	With 6 bypass diodes
Cable	Length 900mm, 1 x 4mm ²
Front Glass	Toughened safety glass - 3.2mm
Cell encapsulation	EVA (Ethylene Vinyl Acetate)
Back	Composite film
Frame	Anodised aluminium
Dimensions	1580 x 808 x 35mm (LxWxH)
Maximum surface loading capacity	Tested up to 2,400 Pa according to IEC 61215
Hail	Maximum diameter of 25mm with impact speed of 23 metres per second
Temperature range	-40°C to +85°C

Panel Layout

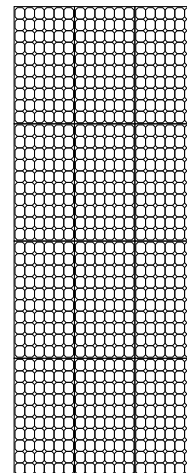
6 Panel Kit



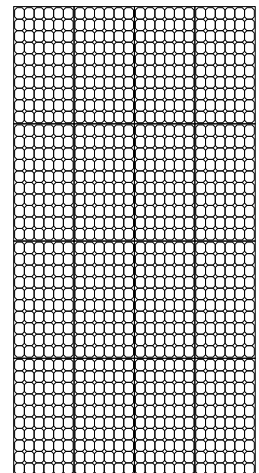
8 Panel Kit



12 Panel Kit



16 Panel Kit



Quality & Reliability:

- Robust, corrosion resistant aluminium frames independently tested to withstand wind loads of 2.4KPa and snow loads of 5.4KPa ensuring a stable mechanical life for your modules.
- Take confidence in our modules with a 5 year limited product warranty and a 25 year limited power warranty*.
- Modules independently tested to ensure conformance with certification and regulatory standards.
- Certified to ISO 9001 Quality Management System standards.

Warranties:

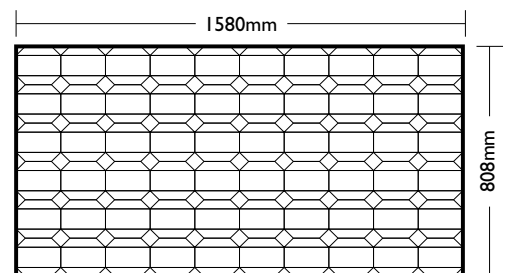
5 year limited product warranty*

Limited power warranty*: 10 years at 90% of the minimal rated power output, 25 years at 80% of the minimal rated power output.

* In compliance with our Warranty Terms and Conditions.

E&OE

Single Panel Dimensions



Qualifications & Certificates

EC 61215 Edition 2, IEC 61730 Class A, CE, ISO 9001

Qualified, IEC 61215, Safety tested IEC 61730

Periodic Inspection

