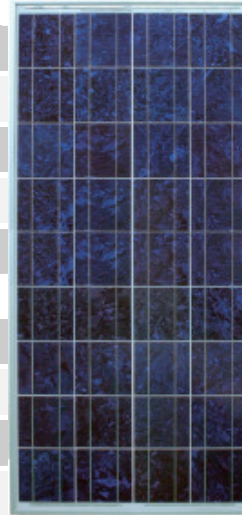


PV-MPOS-130



Electrical data *

Maximum power	Pmax	120	130	140
Voltage at maximum power point	Vmpp	16.8	17.4	18.3
Current at maximum power point	Impp	7.10	7.50	7.70
Open circuit voltage	Voc	20.7	22.1	23.0
Short circuit current	Isc	7.90	8.00	8.30



Dimensions and weights

Area	1.02 m ²
Dimensions	1504 x 679 mm
Thickness with frame	40 mm
Weight	approx. 12 kg

Characteristic data

Solar cell type	Polycrystalline silicon
Cells per module	36 (4x9 matrix connected in series)
Connections	Tyco type JB With 4.0 mm ² cables x 2

CERTIFICATION

- ✦ IEC 61215
- ✦ IEC 61730
- ✦ UL 1703

Temperature coefficient

Maximum power	Tk (Pmx)	-0.38 %/°C
Open circuit voltage	Tk (Voc)	-0.32 %/°C
Short circuit current	Tk (Isc)	+0.08 %/°C
Nominal Operating Cell Temp	NOCT	47 °C

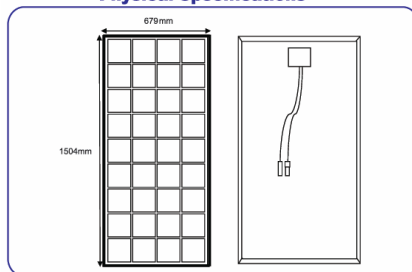
WARRANTY:

- ✦ Product defect
5 years
- ✦ Performance
90% in 10 yrs
80% in 25 yrs

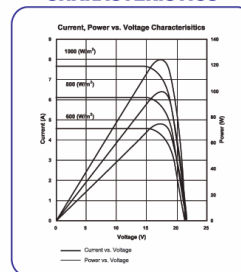
Limits

Maximum system voltage	1000 V _{DC}
Operating module temperature	-40 ~ +85 °C
Mechanical loading	5400 N/m ²

Physical Specifications



CHARACTERISTICS



*Under standard test

conditions (STC):

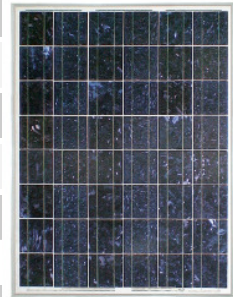
- irradiance of 1000 W/m²
- spectrum of AM 1.5
- module temperature 25 °C

PV-MPOS-170



Electrical data *

Maximum power	Pmax	160	170	180
Voltage at maximum power point	Vmpp	29.1	29.8	30.0
Current at maximum power point	Impp	7.30	7.60	7.70
Open circuit voltage	Voc	27.5	28.3	29.2
Short circuit current	Isc	8.00	8.20	8.30



Dimensions and weights

Area	1.34 m ²
Dimensions	1345 x 997 mm
Thickness with frame	40 mm
Weight	approx. 18 kg

Characteristic data

Solar cell type	Polycrystalline silicon
Cells per module	48 (6x8 matrix connected in series)
Connections	Tyco type JB With 4.0 mm ² cables x 2

CERTIFICATION

- ✧ IEC 61215
- ✧ IEC 61730
- ✧ UL 1703

Temperature coefficient

Maximum power	Tk (Pmx)	-0.38 %/°C
Open circuit voltage	Tk (Voc)	-0.32 %/°C
Short circuit current	Tk (Isc)	+0.08 %/°C
Nominal Operating Cell Temp	NOCT	47 °C

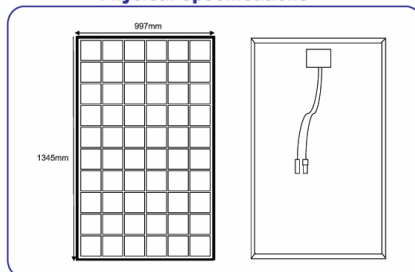
WARRANTY:

- ✧ Product defect
5 years
- ✧ Performance
90% in 10 yrs
80% in 25 yrs

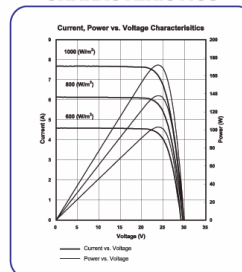
Limits

Maximum system voltage	1000 V _{DC}
Operating module temperature	-40 ~ +85 °C
Mechanical loading	5400 N/m ²

Physical Specifications



CHARACTERISTICS



*Under standard test

conditions (STC):

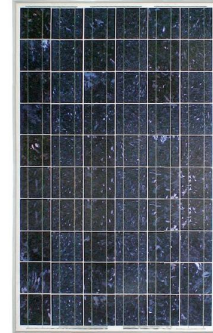
- irradiance of 1000 W/m²
- spectrum of AM 1.5
- module temperature 25 °C

PV-MPOS-225



Electrical data *

Maximum power	Pmax	214	225	232
Voltage at maximum power point	Vmpp	29.1	29.8	30.0
Current at maximum power point	Impp	7.30	7.60	7.70
Open circuit voltage	Voc	36.6	37.1	37.4
Short circuit current	Isc	8.00	8.10	8.30



Dimensions and weights

Area	1.65 m ²
Dimensions	1663 x 997 mm
Thickness with frame	40 mm
Weight	approx. 23 kg

Characteristic data

Solar cell type	Polycrystalline silicon
Cells per module	60 (6x10 matrix connected in series)
Connections	Tyco type JB With 4.0 mm ² cables x 2

CERTIFICATION

- ✧ IEC 61215
- ✧ IEC 61730
- ✧ UL 1703

Temperature coefficient

Maximum power	Tk (Pmx)	-0.38 %/°C
Open circuit voltage	Tk (Voc)	-0.32 %/°C
Short circuit current	Tk (Isc)	+0.08 %/°C
Nominal Operating Cell Temp	NOCT	47 °C

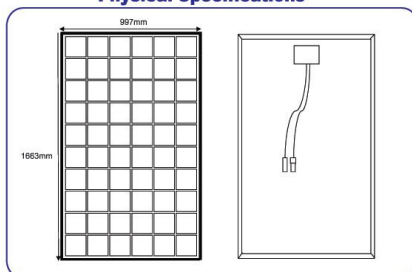
WARRANTY:

- ✧ Product defect
5 years
- ✧ Performance
90% in 10 yrs
80% in 25 yrs

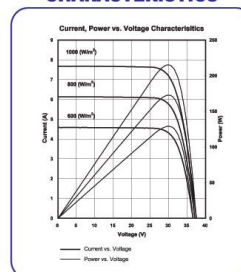
Limits

Maximum system voltage	1000 V _{DC}
Operating module temperature	-40 ~ +85 °C
Mechanical loading	5400 N/m ²

Physical Specifications



CHARACTERISTICS



- *Under standard test conditions (STC):
- irradiance of 1000 W/m²
 - spectrum of AM 1.5
 - module temperature 25 °C