



GIGA SOLAR

Your Ultimate Solar Partner



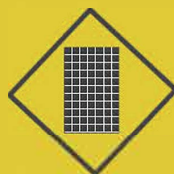
36 CELL POLYCRYSTALLINE PV MODULES



**ARC GLASS WITH UV-T & UV-C
ENCAPSULANT**



**SUPERIOR QUALITY RAW
MATERIAL**



PID RESISTANT CELLS



POSITIVE POWER TOLERANCE



36 CELL POLYCRYSTALLINE PV MODULES

ELECTRICAL DATA @ STC

ALL DATA REFERS TO STC : AM 1.5, 1000 W/sqm, 25 Deg C

Peak Power Pmax (Wp)	120	130	140	160
Maximum Voltage Vmpp (V)	17	17	17	18.30
Maximum Current Impp (I)	7.06	7.23	7.63	8.75
Open Circuit Voltage Voc (V)	20.73	20.73	20.73	22.68
Short Circuit Current Isc (I)	7.69	7.82	8.16	8.98
Module Efficiency (%)	12.15	13.16	14.17	16.20

ELECTRICAL DATA @ NOCT

NOCT Irradiance 800 W/sqm, Ambient Temperature 20 Deg C, Wind Speed 1 m/s

Peak Power Pmax (Wp)	87.36	94.64	101.92	116.48
Maximum Voltage Vmpp (V)	12.68	12.68	12.68	13.61
Maximum Current Impp (I)	6.88	7.46	8.03	8.56
Open Circuit Voltage Voc (V)	15.42	15.42	15.42	16.87
Short Circuit Current Isc (I)	6.09	6.19	6.46	7.11

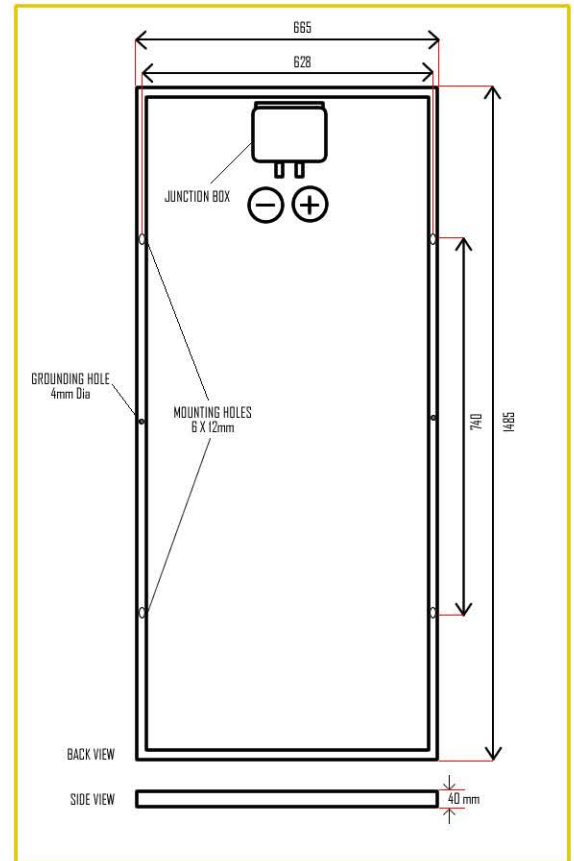
TEMPERATURE CO-EFFICIENTS & permissible operating conditions

Tc of Open Circuit Voltage	-0.35 +/- 0.02 % / Deg C
Tc of Short Circuit Current	0.06 +/- 0.01 % / Deg C
Tc of Power	-0.44 +/- 0.02 % / Deg C
Maximum System Voltage	600 V DC
Temperature Range	-40 Deg C to +85 Deg C

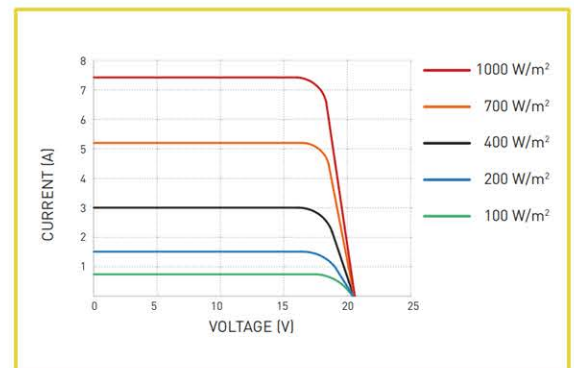
MECHANICAL DATA

Front Cover	High Transmission, Low Iron, Tempered Glass
Frame	>17 micron Anodized Thickness Aluminium Frame with Twin Wall Profile
Application CLASS	Class A
Junction Box	IP 67 Junction Box
Cell Encapsulate	PID Resistant Ethylene Vinyl Acetate (EVA)
Maximum Series Fuse Rating	15 A

DIMENSIONS in mm



I V CURVE



WARRANTY & CERTIFICATION

Product Warranty

25 years linear product warranty

Performance Guarantee

Power degradation < - 3% in first three year < -0.68% / year in 2 to 25 years

Certificates

IEC 61215, IEC 61730-1, IEC 61730-2

NOTE:

Specifications included in this datasheet are subject to change without notice. Electrical data without guarantee. Please confirm your exact requirement with the company representative while placing your order.