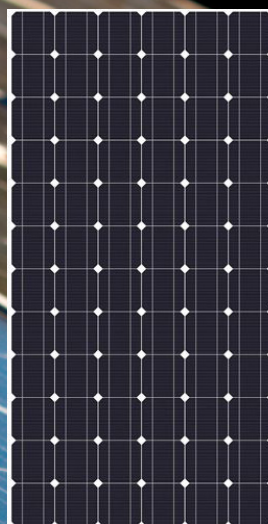


EARTHSOLAR
SOLAR PANEL
MONOCRYSTALLINE SOLAR PANEL



ELECTRICAL SPECIFICATIONS

	ETG-DSP130	ETG-DSP200	ETG-DSP270	ETG-DSP300	ETG-DSP360
Max Power at STC (P_{max})	130W	200W	270W	300W	360W
Optimum Operating Voltage (V_{mp})	18.00V	36.00V	36.00V	36.00V	38.8V
Optimum Operating Current (I_{mp})	7.22A	5.56A	9.00A	8.33A	9.28A
Open-Circuit Voltage (V_{oc})	22.50V	45.00V	37.5V	45.00V	47.5V
Short-Circuit Current (I_{sc})	7.52A	5.86A	9.30A	8.63A	9.67A
Operating Temperature	-40° to +85°C	-40° to +85°C	-40° to +85°C	-40° to +85°C	-40° to +85°C
Maximum System Voltage	1000Vdc(IEC) / 600 Vdc(UL)				
Max. Series Fuse Rating	15A	15A	15A	15A	15A
Power Tolerance	~3%	~3%	~3%	~3%	~3%

Temperature Coefficient

NOCT	45±2°C	45±2°C	45±2°C	45±2°C	45±2°C
P _{max}	-0.47% / °C	-0.47% / 2°C	-0.47% / 2°C	-0.47% / 2°C	-0.39% / °C
V _{oc}	-0.346% / °C	-0.346% / °C	-0.346% / °C	-0.346% / °C	-0.34% / °C
I _{sc}	-0.036% / °C	-0.036% / °C	-0.036% / °C	-0.036% / °C	-0.035% / °C

Standard Test Condition: Irradiance =1000W/m², Module Temperature 25°, AM=1.5 Wind 0m/s

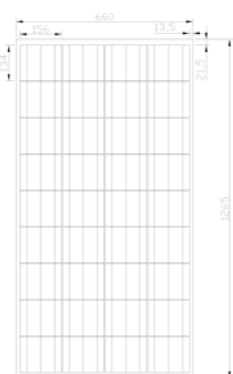
Nominal Operating Cell Temperature: Irradiance =800W/m² Module Temperature 20° AM=1.5, Wind 1m/s

MECHANICAL CHARACTERISTICS

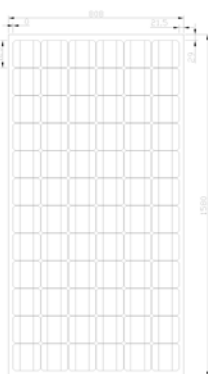
MECHANICAL SPECIFICATIONS

	ETG-DSP130	ETG-DSP200	ETG-DSP270	ETG-DSP300	ETG-DSP360
Cell Type	Monocrystalline (156*135mm)	Monocrystalline (125mm)	Monocrystalline (156mm)	Monocrystalline (156mm)	Monocrystalline (156mm)
Cell Arrangement	36(4×9)	72(6×12)	60(6×10)	72(6×12)	72(6×12)
Dimensions (LxWxH)	1265×660×30mm	1580x808×35mm	1640×980×40mm	1940×980×40mm	1956×992×40mm
Weight	9kgs	15.3kgs	18.2kgs	22.0kgs	22.5kgs
Front Glass	3.2 mm (0.13 inches) tempered glass				
Frame	Anodized aluminum alloy				
Junction Box	IP65 rated				
Wind Loads	2400 Pascal certified				
Output Cables	Double insulated solar cable Ø 4.0 mm ² (0.006 inches ²)				
Symmetrical lengths	(-) 600mm (35.4 inches) and (+) 600 mm (35.4 inches), MC 4 or its compatible connectors		(-) 900mm (35.4 inches) and (+) 900 mm (35.4inches), MC 4 or its compatible connectors		

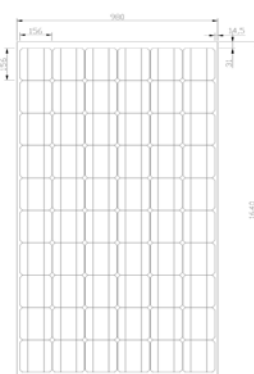
130



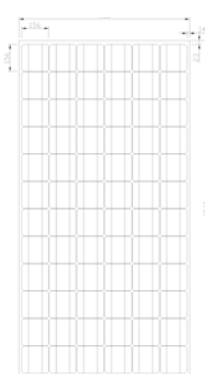
200



270



300



360

