



## Flat Plate PV Modules

- Low voltage-temperature coefficient allows higher power output in high-temperature conditions
- High efficiency/reliability solar cells ensures power output stability

### Features:

- High power module using 6" multi-crystalline solar cell
- Bypass diode included to minimize power reduction caused by shade
- 36 solar cells connected in series
- Optical low iron tempered glass, EVA resin, aluminum frame module for outdoor use

GLS 130W	
<b>Characteristics:</b>	
Rated Power (Pmax)	130 W
Open Circuit Voltage (Voc)	22.01 V
Optimum Operating Voltage (Vmp)	17.89 V
Short Circuit Current (Isc)	7.77A
Optimum Operating Current (Imp)	7.27 A
Cell Efficiency ( $\eta_m$ )	15.5 %
Type of Output Terminal	Junction Box IP65 with 2 bypass diodes
Cable Lengths	0.9M long, TUV certified, 4mm <sup>2</sup>
Connection	Type MC 4
Certificates	IEC61215 Ed-II
<b>Limits:</b>	
Operating Temperature	-40 to +90°C
Maximum System Voltage	1000V
<b>Temperature and Coefficients:</b>	
Nominal Operation Cell Temperature	46°C
Current Temperature Coefficient	0.05%/°K
Voltage Temperature Coefficient	-0.33%/°K
Power Temperature Coefficient	-0.43%/°K
<b>Specifications:</b>	
Cell Type and Size	Polycrystalline 156mm x 156mm
No. of Cells and Connections	4 x 9 in series (36 cells)
Dimension of Module (mm)	1480mm x 670mm x 35mm
Weight (kg)	13kg

Specifications are subject to change without notice

Standard Test Conditions: 25°C, 1 KW/m<sup>2</sup>, AM 1.5

Pacific Test Conditions: 20°C, 1 KW/m<sup>2</sup>, AM 1.5 1 m/s wind speed