



OGRE

energy



20 WATT SOLAR PANEL

Features:

- Extra heavy gauge aluminum frame, designed for ease of mounting and durability
- Industry leading quality, manufactured with advanced encapsulation process
- 36 highly efficient polycrystalline cells
- Engineered for off-grid applications with conversion efficiencies >14%
- Junction box is rain tight and has four 1/2" conduit or cable fitting knock-outs

Electrical Specifications: OGRE P020-J12	
Max Power	20 Watts
Max Power Voltage	17.6 Vmp
Max Power Current	1.14 Imp
Open Circuit Voltage	21.7 Voc
Short Circuit Current	1.21 Isc
Maximum System Voltage	70 V
Series Fuse Rating	5A
Temperature Co-Efficients	
Power	-0.47%/K
Voltage	-0.351%/K
Current	+0.035%/K
Cell Efficiency	14.30%
Number of Cells in Series	36
Cell Type	Poly
Number of Strings in Parallel	1
Max Power Tolerance	+/- 5%

Mechanical Characteristics:	
Weight	5.5 lbs
Dimension	22.6 x13.8 in.
Thickness, including junction box	2.13 in.
Frame	>10µm anodized aluminum

25 Year Limited Warranty*

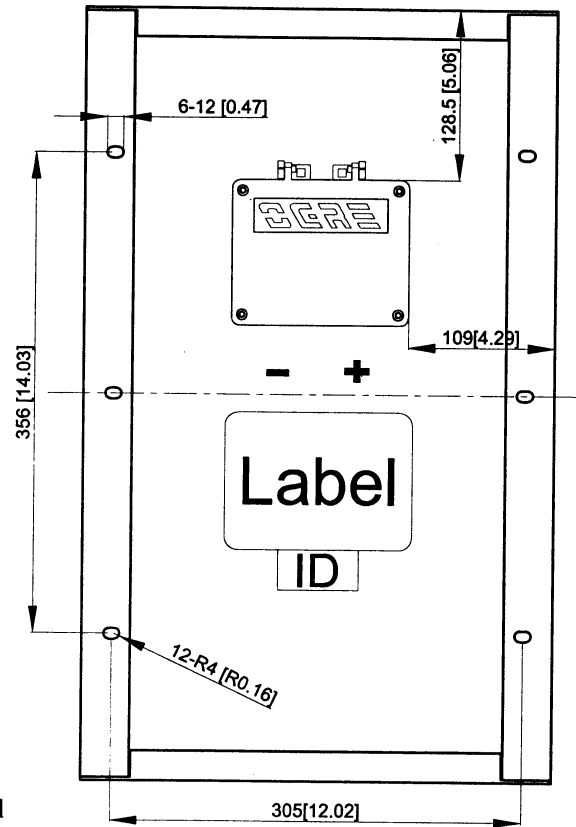
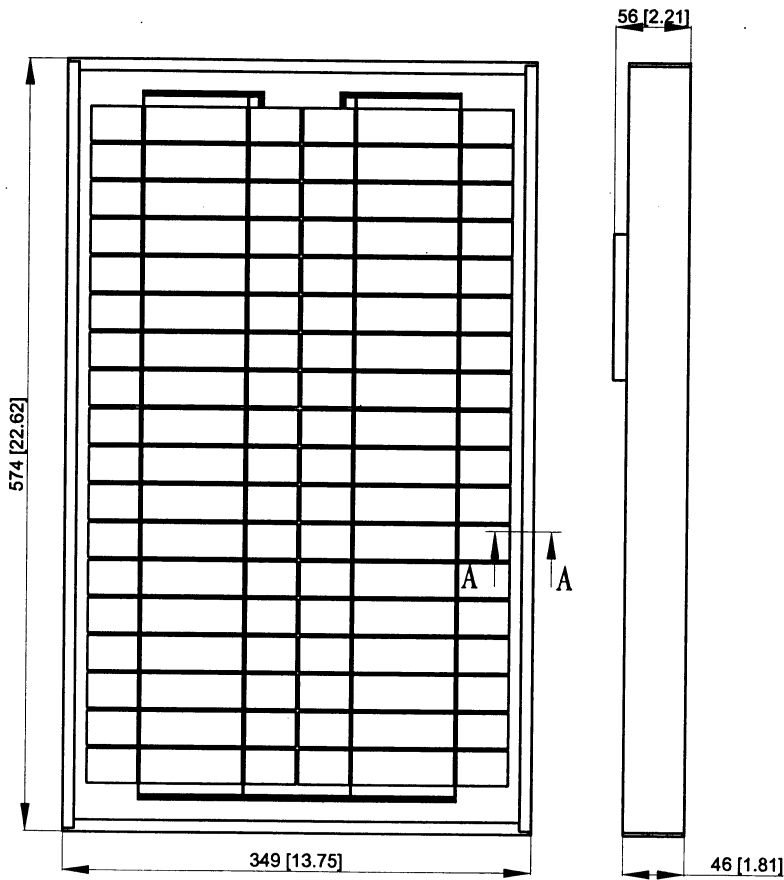
- 80% power output
- 10-year limited warranty of 90% power output
- 5-year limited warranty of materials and workmanship

*Refer to OGRE's warranty document for terms and conditions

Certifications

- *FM Approvals:*
 - Class 1, Division 2
 - Groups A, B, C, D
 - Hazardous Locations Type IP65, T5 @ Ta = -40°C to +90°C
- Manufactured in ISO 9001 certified factory

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Junction Box

Cross Section

