

RNG – 300P

300W Polycrystalline Solar Panel



Key Features

- Top Ranked PTC Rating
- High Module Conversion Efficiency
- Fast and Inexpensive Mounting
- Maximizes System output by reducing mismatch loss
- 100% EL testing on all Renogy Modules, Guaranteed no Hot Spots

Electrical Characteristics

Maximum Power at STC (Pmax)	300 W
Optimum Operating Voltage (Vmp)	37.46 V
Optimum Operating Current (Imp)	8.01 A
Open Circuit Voltage (Voc)	46.12 V
Short Circuit Current (Isc)	8.56 A
Maximum System Voltage	600 VDC (UL)
Maximum Series Fuse Rating	15 A

STC: Irradiance 1000W/m², Temperature 25°C, AM =1

Mechanical Properties

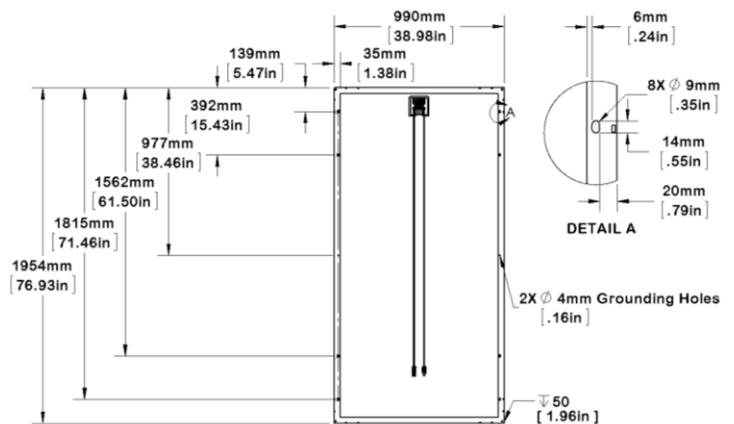
Solar Cell	Polycrystalline (156 x 156 mm)
# of Cells	72 (6 x 12)
Dimensions	1956 x 992 x 50 mm (76.9 x 39 x 2 in)
Weight	23 kgs. (50.6 lbs.)
Front Glass	3.2 mm (0.13 inches) Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP65/IP67 Rated
Output Cables	12 AWG
Connectors	MC4 Connectors
Fire Rating	Class C

Temperature Characteristics

Operating Module Temperature	-40°C to +90°C
Nominal Operating Cell Temperature (NOCT)	47±2°C
Temperature Coefficient of Pmax	-0.44%/°C
Temperature Coefficient of Voc	-0.30%/°C
Temperature Coefficient of Isc	0.04%/°C



Module Diagram



IV-Curve

