

# HQST – 50DB

## 50W Bendable 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 HQST Solar Modules, Guaranteed no Hot Spots

### Electrical Characteristics

Maximum Power at STC (Pmax)	50 W
Optimum Operating Voltage (Vmp)	17.6 V
Optimum Operating Current (Imp)	2.84 A
Open Circuit Voltage (Voc)	21.6 V
Short Circuit Current (Isc)	3.05 A
Maximum System Voltage	600 VDC (UL)
Maximum Series Fuse Rating	15 A

STC: Irradiance 1000W/m<sup>2</sup>, Temperature 25°C, AM =1

### Mechanical Properties

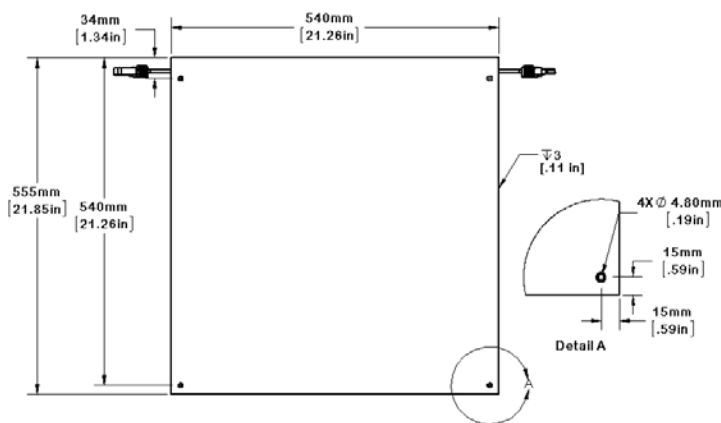
Solar Cell	Monocrystalline (125 x 63 mm)
# of Cells	32 (2 x 4 x 4)
Dimensions	570 x 540 x 3 mm (21.8 x 21.2 x 0.12 in)
Weight	1.2 kg. (2.8 lbs.)
Junction Box	IP65 Rated
Output Cables	14 AWG
Connectors	MC4 Connectors
Fire Rating	Class C

### Temperature Characteristics

Operating Module Temperature	-40°C to +80°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



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