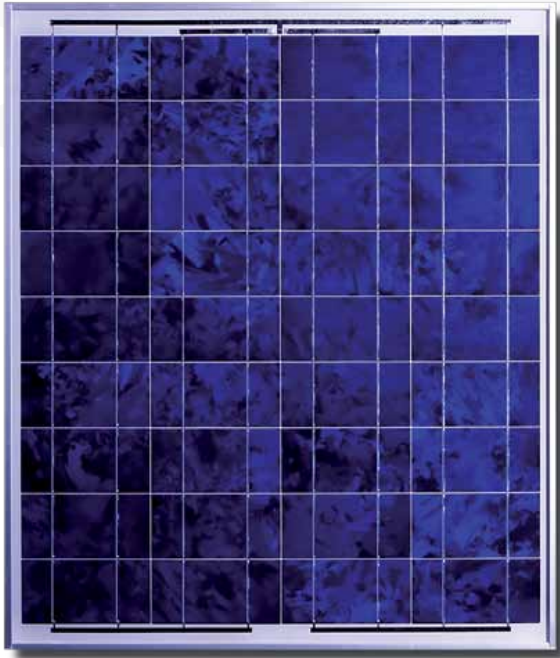




## Solar Panel Polycrystalline

Model  
CS6E-50P  
50 Watts



### Design Features

- Strong framed module, passing mechanical load test of 5400Pa to withstand heavier snow load
- The 1st manufacturer in PV industry certified for ISO:TS16949 (The Automotive Quality Management System) in module production since 2003
- ISO17025 qualified manufacturer owned testing lab, fully complying to IEC, TUV, UL testing standards

### Applications

- Power supply for remote telecommunication equipment
- Traffic, security environment, and other remote monitoring and signalling systems
- Water pumping systems
- Rural area applications
- Other off-grid applications

### Quality Certificates

- IEC61215, IEC61730, UL1703 (pending), CE
- ISO9001: 2008: Standards for Quality Management Systems
- ISO/TS16949: 2009: Automotive Quality Management System

### Environmental Certificates

- ISO14001: 2004: Standards for Environmental Management Systems
- QC080000 HSPM: Certification for Hazardous Substances Regulations

		CS6E-50P
<b>ELECTRICAL DATA</b>	<b>NOMINAL MAXIMUM POWER AT STC (<math>P_{MAX}</math>)</b>	50 Watts
	<b>OPTIMUM OPERATING VOLTAGE (<math>V_{MP}</math>)</b>	17.6 V
	<b>OPTIMUM OPERATING CURRENT (<math>I_{MP}</math>)</b>	2.84 A
	<b>OPEN CIRCUIT VOLTAGE (<math>V_{OC}</math>)</b>	22.0 V
	<b>SHORT CIRCUIT CURRENT (<math>I_{SC}</math>)</b>	3.05 A
	<b>CELL TYPE</b>	Polycrystalline
	<b>CELL ARRANGEMENT</b>	36 (4 x 9)
<b>MECHANICAL DATA</b>	<b>DIMENSIONS, INCHES (L x W x H)</b>	26.20 x 23.94 x 1.38 in
	<b>DIMENSIONS, MM (L x W x H)</b>	666 x 608 x 35 mm
	<b>WEIGHT, KG / LBS</b>	5.1 kg / 11.24 lbs
	<b>FRONT COVER</b>	Tempered glass
	<b>FRAME MATERIAL</b>	Anodized aluminum alloy
	<b>STANDARD PACKAGING (MODULES PER PALLET)</b>	52 per pallet (104 pieces)
	<b>WARRANTY</b>	25 year manufacturers limited warranty

#### NOTES:

1. Rated electrical characteristics are within  $\pm 10\%$  of measured values at Standard Test Conditions of  $1000 \text{ W/m}^2$  or  $100\text{mW/cm}^2$  irradiance, AM 1.5 Spectrum and cell temperature of  $25^\circ\text{C}$ .
2. Specifications are subject to change without notice.

Revised December 7, 2011