

## A-300 SOLAR CELL MONO CRYSTALLINE SILICON

### Physical Characteristics

Construction:	All-back contact
Dimensions:	125 mm x 125 mm - nominal
Thickness:	270 $\mu\text{m}$ $\pm$ 40 $\mu\text{m}$

### ELECTRICAL CHARACTERISTICS OF TYPICAL CELL AT STANDARD TEST CONDITIONS (STC)

STC is defined as: irradiance of 1000W/m<sup>2</sup>, spectrum AM 1.5g and cell temperature of 25°C

Open Circuit Voltage:	0.670 V
Short Circuit Current:	5.9 A
Maximum Power Voltage:	0.560 V
Maximum Power Current:	5.54 A
Rated Power:	3.1 W
Efficiency:	Up to 21.5 %

### Temperature Coefficients

Voltage:	-1.9 mV / °C
Power:	-0.38 % / °C

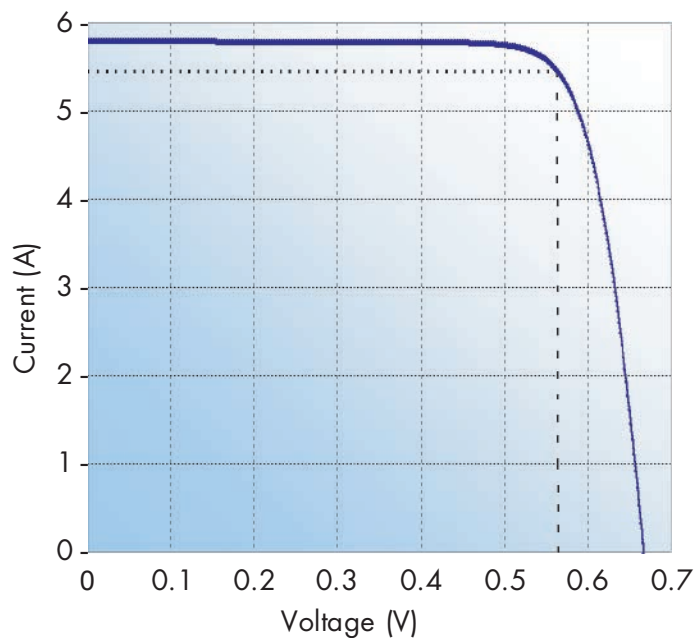
### ATTRIBUTES

- High efficiency reduces module assembly and system installation costs
- Uniform front appearance - no contact grid
- Back contact design simplifies circuit assembly
- Lower temperature coefficient improves energy delivery

### PACKAGING

- Cells are packed in boxes of 1000 each; grouped in shrink-wrapped stacks of 50 with interleaving
- Twelve boxes are packed in a water-resistant "Master Carton" containing 12,000 cells suitable for air transportation

A-300 CELL PERFORMANCE - TYPICAL I-V CURVE



CELL BACKSIDE VIEW  
(Dimensions in mm)

