

CIGS Panel Data Sheet

Features



Excellent low-light performance



UV resistance



Wide temperature range -200 to +150°C



Higher output power



84 Diodes fitted



Fully rollable flexible panel ultra-light

Warranty:

12 years product

15 years linear power output warranty

Comprehensive Certificates:

- IEC 61646
- IEC 61730
- UL 1703
- C-UL 1703
- CE
- PCT
- TUV

Electrical Parameters

At STC 25°C at 1000w/m²

Rated Maximum Power (Pmax)[W] +/-7%	440
Open Circuit Voltage (Voc)[V]	43.2
Maximum Power Voltage (Vmp)[V]	34.5
Short Circuit Current (Isc)[A]	19.5
Maximum Power Current (Imp)[A]	15.2
Cell Efficiency [%]	>15%
Temperature Coefficient of Isc [A]	-0.03
Temperature Coefficient of Voc [I]	-0.33
Temperature Coefficient of Pmax [V]	-0.43
Rolling Diameter (cm)	6.5
Fire Rating	B
IP Rating	68
Weight(Kg.m ²)	<1
Dimensions (W x L)	2.0 x 2.0m
Thickness (mm)	<1
Peel Force Between Adhesive	>15NCM
Operating Temperature	-40°C ~+85°C
Number of Cells	168

IEC61646 Major test sequences for performance at STC (NOCT) light soaking, Stabilization for thin-films.
Environmental Stress test, thermal cycling (-40 to 85°C)
Mechanical Stress, electrical safety test.

