



THIN-FILM SOLAR PV MODULE

50W-60W

AMORPHOUS SILICON

ELECTRICAL CHARACTERISTICS

RATED POWER	50 Wp	55 Wp	60 Wp
OPEN CIRCUIT VOLTAGE (Voc)	83.0 V	84.0 V	85.0 V
MAXIMUM POWER VOLTAGE (Vmp)	65.0 V	66.0 V	67.0 V
SHORT CIRCUIT CURRENT (Isc)	0.95 A	1.0 A	1.1 A
MAXIMUM POWER CURRENT (Imp)	0.78 A	0.84 A	0.9 A
OUTPUT TOLERANCE (%)	±5		
CELLS	100 IN SERIES		
MAXIMUM SYSTEM VOLTAGE (VDC)	1000 VDC		

ELECTRICAL CONNECTION

JUNCTION BOX	IP65
PROTECTION	SCHOTTKY BY PASS DIODES
OUTPUT TERMINAL	1000mm,2.5mm ² Cable; MC4 Type/Compatible Connector

GENERAL CONSTRUCTION

STRUCTURE	GLASS TO GLASS WITHOUT FRAME
FRONT GLASS	TEXTURED TCO, 3.2mm
BACK GLASS	PLAIN, 3.2mm
ENCAPSULANT	ETHYLENE VINYL ACETATE.

MACHANICAL CHARACTERISTICS

MODULE DIMENSIONS (mm)	1016 X 1016 X 7
WEIGHT (KG, APPROX)	17

ABSOLUTE MAXIMUM RATINGS

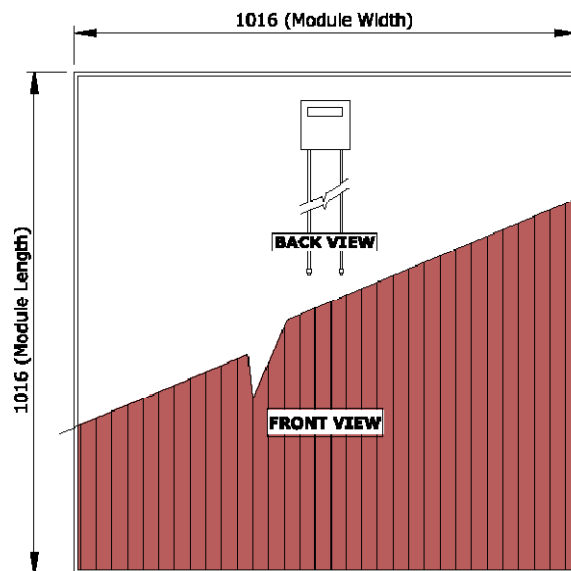
OPERATING TEMPERTURE	-40°C to +85°C
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WARRANTY

5 YEARS PRODUCT WARRANTY
10 YEARS FOR 90% OF RATED POWER
20 YEARS FOR 80% OF RATED POWER

INDIA

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Note:

1. Design and Specifications are subject to change without notice.
2. Product is non-IEC.
3. Electrical Parameters valid for STC only (at 25°C, 1000W/M²)