

CIS solar module 90W

WSF0001E090

FEATURES

- CIS solar module for connection in series
- Good energy yield through outstanding temperature and low-light behaviour
- Homogenous black surface
- Glass-glass construction provides a high level of protection against environmental influences
- Black anodised aluminium frame
- 20-year power output guarantee
- Made in Japan

TECHNICAL DATA

Electrical data in STC	
Nominal output according to STC	90 W
MPP voltage (Umpp)	45 V
Current at max. capacity (Impp)	2 A
Open circuit voltage (Uoc)	59.8 V
Short circuit current (Isc)	2.3 A

Electrical data at NOCT	
NOCT	47°
Nominal capacity according to NOCT	65.5 W
MPP voltage (Umpp)	42.5 V
Open circuit voltage (Uoc)	53.7 V
Short circuit current (Isc)	1.82 A

Systems	
Maximum Voltage systems	1,000 V
Performance tolerance	-5 / +7 %
Reverse current stability	3 x Isc
Temperature coefficient (Pmpp)	-0.35 % / °C
Temperature coefficient (Voc)	-0.29 % / °C
Temperature coefficient (Isc)	0.03 % / °C
Cell material	CIS
Cell technology	CIS
Mechanical assembly	Glass-glass module with black anodised aluminium frame
Framing	Aluminium frame with inner groove
Frame height	35 mm
Max. surface pressure	2.4 kN/m ²
DC connection	MC4 plug connector
Weight	12.4 kg
Dimensions (W x L x D)	641 x 1,235 x 35 mm

Electrical data under standard test conditions (STC): I=1,000 W/m², AM 1.5, Tu=25°C
 Cell operating temperature (NOCT): I=800 W/m², Tu=20°C, Vw =1 m/s

We reserve the right to make technical and product changes.
 Illustrations may differ from actual product.

