

SOLAR PANEL

SEDC 150-185 SERIES



Technical Data:

	SEDC 150-185 SERIES
Monocrystalline cells	72
Max system voltage	750V

Electrical Data

Under STC (Standard Test Conditions: 1000W/m², 25°C, AM1.5)

Maximum Power Output [Pmax]	150 Wp	160 Wp	170 Wp	180 Wp	185 Wp
Tolerance	+/-3%				
Maximum Power Voltage[Vmax]	34.4 V	34.4 V	35.8 V	37 V	37.1 V
Open Circuit Voltage [Voc]	43.2 V	43.2 V	44.2 V	45.4 V	45.4 V
Maximum Power Current [Imax]	4.36 A	4.65 A	4.75 A	4.86 A	5.01 A
Short Circuit Power Current [Isc]	4.87 A	5 A	5.05 A	5.23 A	5.27 A
Efficiency [%]	14	15	16	16.85	17.3

Temperature data:

Temperature coefficients of Pmax	-0.47%/°C
Temperature coefficients of Voc	-0.38%/°C
Temperature coefficients of Isc	+0.1%/°C

Safety data:

High Voltage Test:	3000V DC/max, 50μA
Heavy mechanical load	2400Pa (IEC61215)
Allowable hail load	225mg steel ball fall down from 2m height
Junction box	IP65, 1000V TUV certified with 2pcs bypass diode
Cable type	Cable cross section size 4mm ² , TUV certified, 3.2ft length
Encapsulation	Low iron tempered glass, 0.12 in thickness, light transmission above 91%, TPT
Frame	Clear anodized aluminum alloy
Operating temperature]	-40 to +185F

Mechanical data

Material	Aluminum
LXB[in]	63*33
Thickness[in]	2
Weight[lbs]	33



Sample picture

Features & Benefits:

- High efficiency of cells,
- High transmittance, low iron tempered glass with enhanced stiffness and impact resistance;
- Anodized aluminum alloy frame with high mechanical strength for easy installation;
- Anti-aging EVA and high flame resistant back sheet, to provide long-life and enhanced cell performance;
- Outstanding electrical performance under high temperature and low irradiance conditions;
- ± 3% tolerance;
- 100% tested by EL(electroluminescence) technology.
- 25 years limited warranty for 80% power output.

Certificates

