



# SOLAR PANEL

## DFE200S-12U

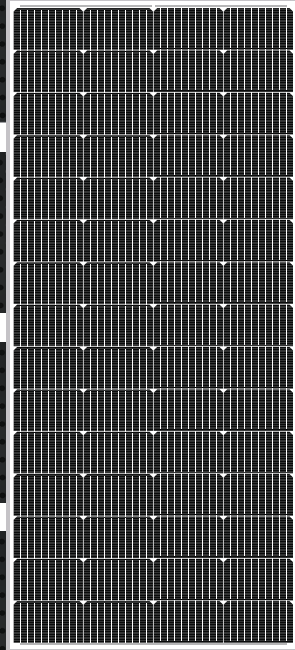
High Efficiency Monocrystalline PV Module

**60 CELL**  
MONOCRYSTALLINE MODULE

**200W**  
POWER OUTPUT

**20.00%**  
MODULE EFFICIENCY

**5%**  
POSITIVE TOLERANCE



- Nominal 12V DC for standard output.
- Outstanding low-light performance.
- Heavy-duty anodized frames.
- High transparent low-iron, tempered glass.
- Designed to withstand high wind pressures, Hail, and heavy snow.
- Quality aesthetic appearance.



**High Efficiency**

Module Efficiency improved through advanced cell technology and manufacturing capabilities.



**High PID Resistance**

Advanced cell technology and qualified materials lead to high resistance to PID.



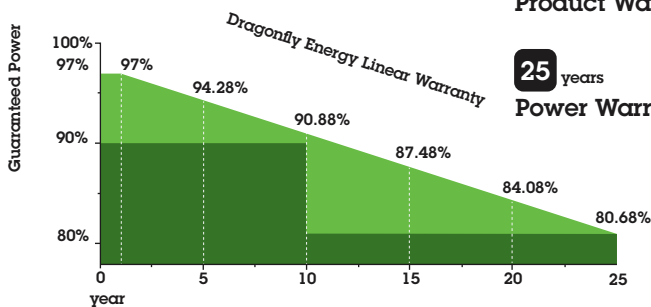
**Withstand Harsh Environment**

**High PID Resistance**  
5400 Pa positive load  
2400 Pa negative load  
Salt mist (IEC 61701)

### Performance Warranty

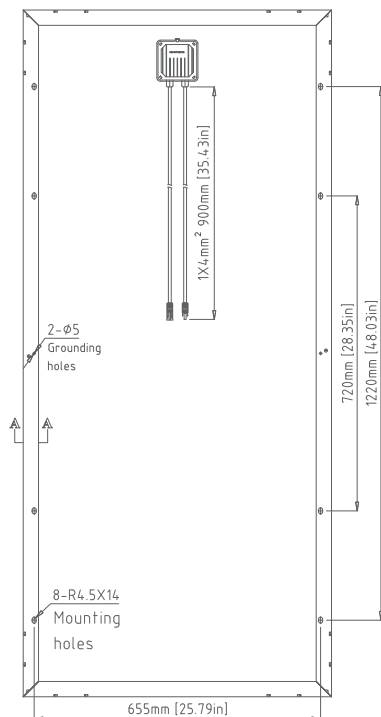
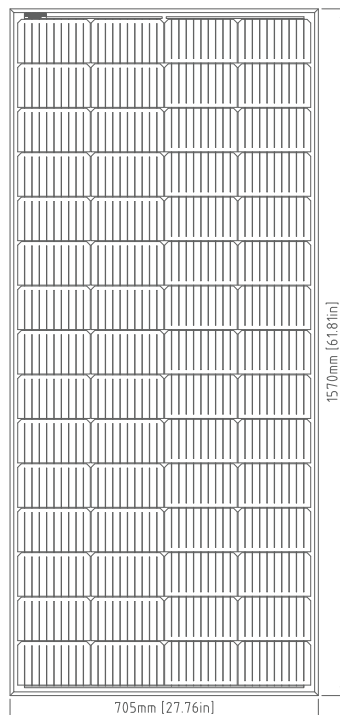
**10 years**  
Product Warranty

**25 years**  
Power Warranty



Product Certificate	IEC 61215, IEC61730
Management Certificate	ISO 9001:2016
Other certificate	Fire Rating Class C, TÜV Rheinland
Positive mechanical load	>5400Pa
Positive power tolerance	0~+5W
Warranty information	2 Year Product Warranty and Workmanship





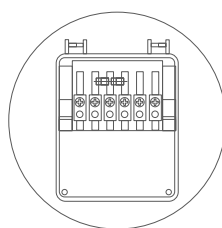
Dimensions in brackets are in inches.  
Un-bracketed dimensions are in millimeters.  
Unit: mm[in.]

Electrical Characteristics	DFE200S-12U
Product Code	200031201A
Maximum Power (P <sub>max</sub> )	200W
Voltage at P <sub>max</sub> (V <sub>mp</sub> )	16.86V
Current at P <sub>max</sub> (V <sub>mp</sub> )	12.33A
Open-circuit Voltage (V <sub>oc</sub> )	19.60A
Short Circuit Voltage (V <sub>oc</sub> )	13.00A
Temperature Coefficient of V <sub>oc</sub>	-(80±10)mV/°C
Temperature Coefficient of I <sub>sc</sub>	(0.065±0.015)%/°C
Temperature Coefficient of Power	-(0.5±0.05)%/°C
NOCT (Air 20°C; Sun 0.8kW/m <sup>2</sup> wind 1m/s)	47±2°C
Operating Temperature	-40°C to 85°C
Maximum System Voltage	1000V DC
Power Tolerance	±5%

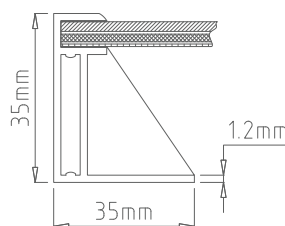
\*STC: Irradiance 1000/m<sup>2</sup>, AM1.5 spectrum, module temperature 25°C

\*NOCT: Nominal operating cell temperature (the data is only for reference)

Specifications	DFE200S-12U
Cells	Monocrystalline silicon solar cell
No. of cells and connections	60(4x15)
Module dimension	1570mm[61.81in.]x705mm[27.76in.]x35mm[1.38in.]
Weight	12.00kg[26.00lbs]
Packing information	1595mm[62.80in.]x725mm[28.50in.]x53mm[2.10in.]/(1pc/ctn)

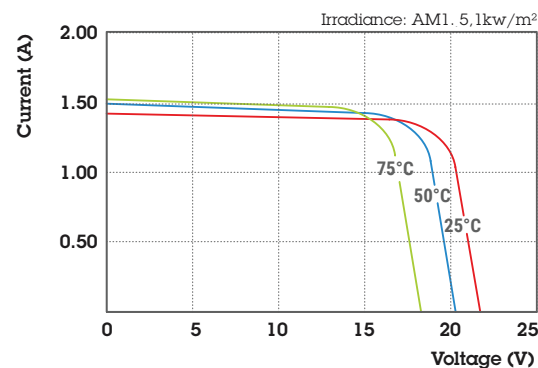


Junction Box  
Top View (Lid Open)



Section A-A

## Characteristics



DFE200S-12U I-V Curves