

# ESPVP 265-280W

## Introduction

High energy transfer efficiency cells applied in our solar panels to ensure high power for the whole modules. Full automatic cell selection, welding and assembling lines to ensure top quality products and minimal defects.

The current division technology are applied to effectively reduce the loss of up to 2% due to mismatch and increasing the power output of the system.

High transmission tempered glass with surface carving technology to provide outstanding low-light performance.



Efficiency up 3%-15%



Aluminum frame protection



Low radiation



Temperature Coefficient

- IEC 61215, IEC 61730
- ISO 9001 : 2015
- ISO 14001 : 2015
- OHSAS 18001
- TUV Certificate

POLY



# Electrical parameters under STC

Model	ESPV-265M	ESPV-270M	ESPV-275M	ESPV-280M
Maximum power [W]	265W	270W	275W	280W
Open circuit [V]	37.82V	37.92V	38.18V	38.43V
Short circuit [A]	9.14A	9.28A	9.36A	9.42A
Maximum power [V]	30.64V	30.72V	30.94V	31.2V
Maximum power [A]	8.65A	8.79A	8.89A	8.98A
Maximum power	0,+4.99			
Maximum system voltage	1000VDC			
Fuse maximum current	20A			
SPC	Radiation 1000W/m <sup>2</sup> , battery temperature 25°C, spectrum AM1.5G			

# Temperature characteristics

<b>Maximum power temperature coefficient</b>	-0.38 %/°C
<b>Open circuit voltage temperature coefficient</b>	-0.28 %/°C
<b>Short-circuit current temperature coefficient</b>	+0.05 %/°C
<b>Operating temperature</b>	-40 ~ +85 °C
<b>Normal working cell temperature</b>	45±2°C

# Mechanical specifications

<b>External dimensions</b>	1650*992*35mm
<b>Weight</b>	17.0KG
<b>Cell</b>	Mono 156.75 x 156.75 mm(60pcs)
<b>Glass</b>	3.2mm anti-reflection film tempered glass, low iron
<b>Frame</b>	Anodized aluminum
<b>Junction Box</b>	IP68 , 3 diodes
<b>Out put Line</b>	4.0mm <sup>2</sup> , portrait:255mm(+)/355mm(-);landscape:1200mm
<b>Connector</b>	MC4 Compatible
<b>Mechanical load</b>	5400 Pa