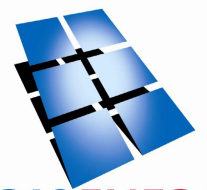


# CIGS BIPV SOLAR MODULES: 92, 100, 106 Watt – 54cm width



**SHURJOENERGY**

Module code	SE92LP-DG3718W-S1 (54CM)	SE100LP-EG3718W-S1(54CM)	SE106LP-FG3718W-S1(54CM)
Total width of laminate (mm)	540	540	540
Total length of laminate (mm)	1903	1903	1903
Glass area (m)	1.03	1.03	1.03
Efficiency	10.4%	11.2%	11.9%
Power (W)	92.4	99.8	106.0
Vmax (v)	50.4	52.5	53.9
Voc (v)	74.2	76.3	77.7
I <sub>max</sub> (A)	1.83	1.90	1.97
I <sub>sc</sub> (A)	2.27	2.30	2.33

Irradiance level 1000 W/m<sup>2</sup> @ 25°C, spectrum AM 1.5

**(Certified to IEC 61646 & IEC 61730) CE**

Limits	
Operating temperature	-40 to +85°C
Maximum system voltage	1000V DC
Output	
Junction box	TYCO 3-rail with 2 bypass diodes
Cable & connector	4.0mm diameter black cable with Tyco connector
Temperature Co efficient	
Short circuit current temperature Co efficient $\alpha$ [A/°C]	0.01%
Open circuit voltage temperature Co efficient $\beta$ [V/°C]	-0.37%
Maximum power temperature Co efficient $\delta$ [W/°C]	-0.44%
NOCT	44.5°C
NOCT = Irradiance level 800 W/m <sup>2</sup> , spectrum AM 1.5, wind velocity 1 m/s, Tamb 20°C	
Note: Modules, when first used, need two days of full Sun exposure before reaching optimum performance	

## Features

- Ultra-clear 4 mm toughened and textured glass
- 3 layer tedlar® with aluminium interlayer (100% water barrier)
- Robust, high quality TYCO 3 rail junction box with diode protection

## Warranty info

- 25 year limited warranty\*
  - Power tolerance +/- 5%
- \* **Warranty: 5 year against manufacturing defects & 10 years to 90% of rated power, 25 years to 80% of rated power, providing panel is undamaged.**