



SOVA POWER LIMITED

www.sovasolar.com

Sova Power Limited provides an optimum solution for electricity generation through high efficiency Solar PV Modules. The modules withstand high wind pressure and extreme temperature variation.

The modules are constructed using only the highest quality proven components, from the world's leading manufactures and certified to **IEC 61215 & IEC 61730** standards.

Battery Charging Module:

MODEL: SS30P, SS60P, SS100P

Features

- Ultra-tough 3.2 mm toughened and textured glass
- Reinforced anodized aluminium frame
- Pre-drilled frame for easy mounting
- High quality junction box with diode protection
- 25 year limited warranty*
- Power tolerance +/- 5%
- Quality: Certified to IEC 61215
- An ISO 9001 & ISO 14001 certified



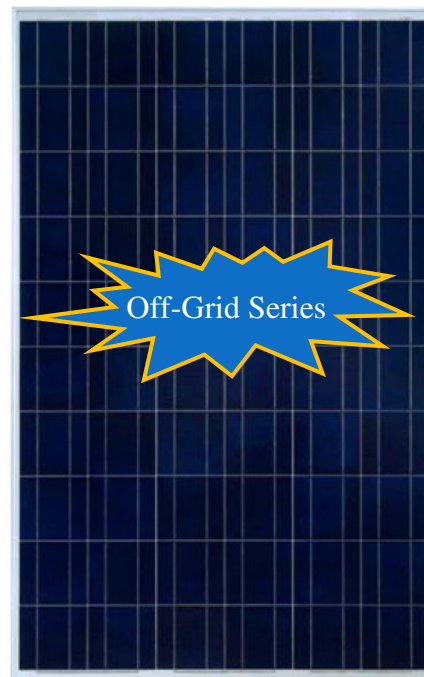
Application

- Off-grid home systems
- Rural Electrification
- Water pumping
- Battery charging
- Lighting systems & lanterns
- Gate opening or fence charging

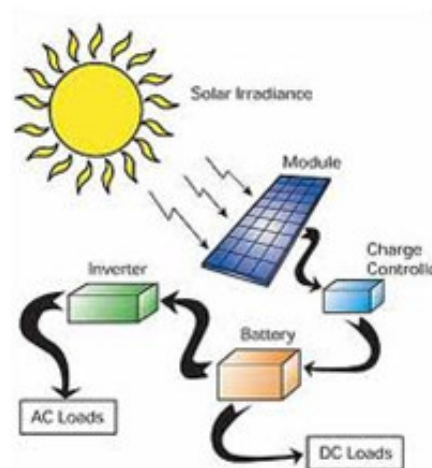
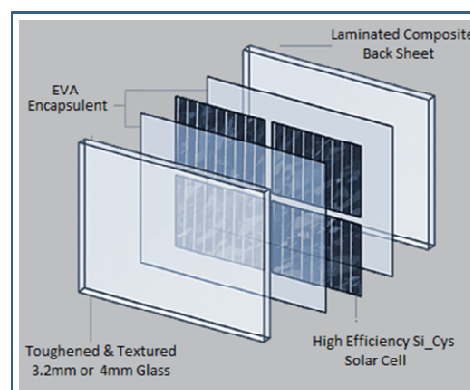
Warranty info

- 25 year limited warranty*
- Power tolerance \pm 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

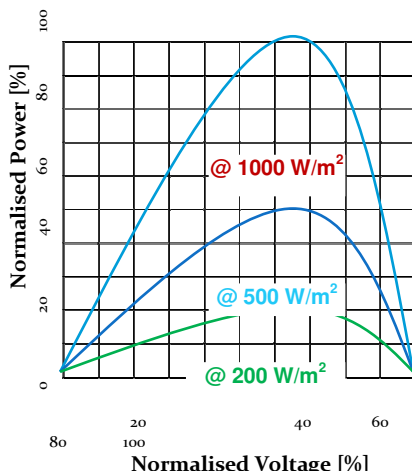


Construction



| Specifications | SS30P | SS60P | SS100P |
|---|---|----------------|-----------------|
| Cell | Multi-Crystalline Solar Cell | | |
| Characteristics (+/- 5%) | | | |
| Open circuit voltage (VOC) | 21.96V | 21.89V | 21.74V |
| Optimum operating voltage (Vmp) | 17.93V | 17.86V | 17.71V |
| Short circuit current | 1.81A | 3.61A | 6.18A |
| Optimum operating current (Imp) | 1.70A | 3.38A | 5.73A |
| Power at STC (Pmax) | 30W | 60W | 100W |
| Temperature coefficient for power W/°C | -0.043 | -0.086 | -0.159 |
| Limits | | | |
| Operating temperature | -40 to +85°C | | |
| Maximum system voltage | 500V DC | | |
| Output | | | |
| Type of output terminal | Junction box (Cable & Connector on request with extra cost) | | |
| Module Dimension | | | |
| Weight | 3.5 kg | 6.4 kg | 10.5 kg |
| Dimension of module (A) x (B) x (C) mm | 725 X 350 X 35 | 707 X 666 X 35 | 1166 X 666 X 35 |
| Mounting hole ϕ a | 7 mm | 7 mm | 7 mm |
| Mounting hole CTC distance - Vertical (D) | 400 mm | 400 mm | 800 mm |
| Module hole distance from corner (E) | 162.5 mm | 153.5 mm | 183 mm |
| Mounting hole CTC distance - horizontal (F) | 314 mm | 630 mm | 630 mm |

Normalised Light-Level Performance



Frame Design

