



**SpolarPV**  
Easy Invest, More Returns



**21.46 %**

Module efficiency

**560 W**

Highest power output



Product warranty



Linear power warranty

# SPV560-PG12-110

## 540-560Watt



### High Efficiency

Higher power conversion efficiency benefited from advanced Passivated Emitter and Rear Cell (PERC) technology.



### Anti-reflection

Less than 20% reflectivity with minimum glare.



### Low-light Performance

Certified to withstand: wind load (2400 Pa), snow load (5400 Pa) and hail strike.



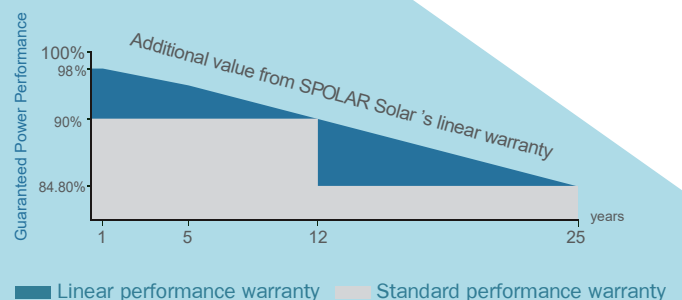
### Severe Weather Resilience

Advanced glass and cell surface texture designs ensure excellent performance in low environment.



### Durability against extreme environmental conditions

High salt mist resistance certified by IEC 61701, suitable for coastal areas.



ISO9001:2015 ISO14001:2015  
OHSAS18001:2011 certified factory.  
IEC61215 IEC61730 certified products.

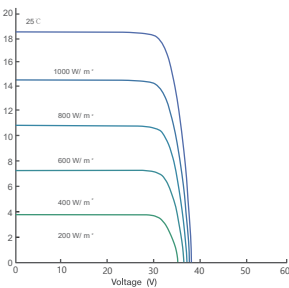
## Electrical Characteristics at Standard Test Conditions (STC)

| Module Type                     | SPV540-PG12-110 | SPV545-PG12-110 | SPV550-PG12-110 | SPV555-PG12-110 | SPV560-PG12-110 |
|---------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Maximum Power - Pmax (W)        | 540             | 545             | 550             | 555             | 560             |
| Maximum Power Voltage - Vmp (V) | 31.21           | 31.39           | 31.59           | 31.80           | 32.00           |
| Maximum Power Current - Imp (A) | 17.32           | 17.38           | 17.41           | 17.45           | 17.50           |
| Open-circuit Voltage - Voc (V)  | 37.50           | 37.70           | 37.80           | 37.90           | 38.32           |
| Short-circuit Current - Isc (A) | 18.41           | 18.47           | 18.52           | 18.56           | 18.62           |
| Module Efficiency STC (%)       | 20.69 %         | 20.89 %         | 21.08 %         | 21.26 %         | 21.46 %         |

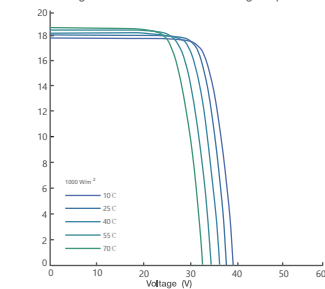
## Electrical Characteristics at Normal Operating Cell Temperature (NOCT)

| Module Type                      | SPV540-PG12-110 | SPV545-PG12-110 | SPV550-PG12-110                    | SPV555-PG12-110 | SPV560-PG12-110 |
|----------------------------------|-----------------|-----------------|------------------------------------|-----------------|-----------------|
| Maximum Power - Pmax (W)         | 409             | 413             | 417                                | 421             | 425             |
| Maximum Power Voltage - Vmp (V)  | 29.02           | 29.19           | 29.28                              | 29.50           | 29.68           |
| Maximum Power Current - Imp (A)  | 14.08           | 14.16           | 14.21                              | 14.27           | 14.32           |
| Open-circuit Voltage - Voc (V)   | 35.32           | 35.50           | 35.69                              | 35.84           | 35.97           |
| Short-circuit Current - Isc (A)  | 14.83           | 14.89           | 14.93                              | 15.02           | 15.09           |
| Power Tolerance                  | 0 ~ +3W         |                 | Operating Temperature (°C)         |                 | -40 °C ~ +85 °C |
| Temperature Coefficients of Pmax | -0.35% / °C     |                 | Maximum System Voltage             |                 | 1500 V          |
| Temperature Coefficients of Voc  | -0.275% / °C    |                 | Maximum Series Fuse Rating         |                 | 30 A            |
| Temperature Coefficients of Isc  | 0.045% / °C     |                 | Nominal Operating Cell Temperature |                 | 45 ± 2 °C       |

Current-Voltage Curve under different irradiance

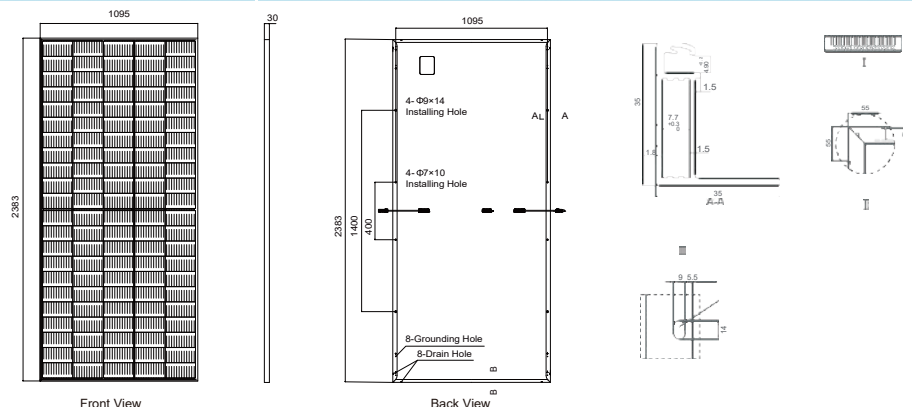


Current-Voltage Curve under different working temperatures



## Mechanical Characteristics

|                         |   |
|-------------------------|---|
| Cell Type               | Mono-crystalline PERC 210x105 mm                            |
| No. of Cells            | 110 (5x22)  |
| Dimensions              | 2383x1095x30 mm   |
| Weight                  | 28.0 kg   |
| Glass                   | 3.2mm, High Transmission, Low Iron, Tempered Glass          |
| Frame                   | Anodized Aluminium Alloy                                    |
| Junction Box            | IP68, MC4 Compatible, 3 Bypass Diode                        |
| Output Cables           | 1x4.0 mm <sup>2</sup> , Length: 300 mm or Customized Length |
| Packaging Configuration | 31pcs/pallet, 620pcs/40'HQContainer                         |



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