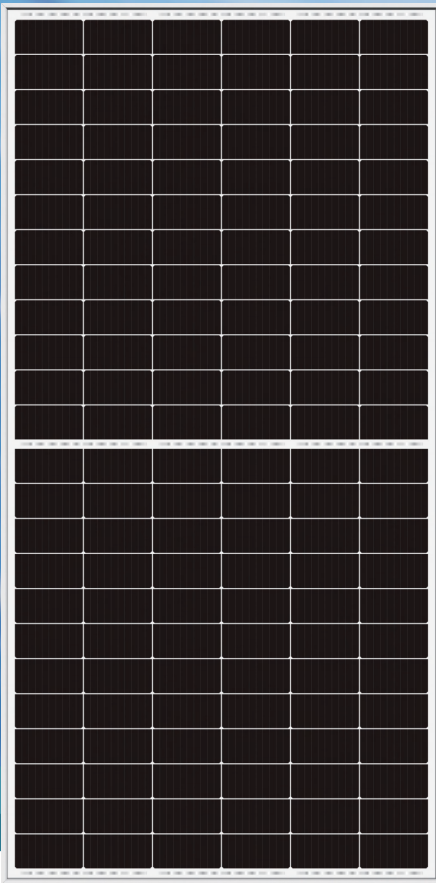




**SpolarPV**  
Easy Invest, More Returns



**21.69 %**

Module efficiency

**560 W**

Highest power output



Product warranty



Linear power warranty

# SPV560-PM10-144

## 535-560Watt



### 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.



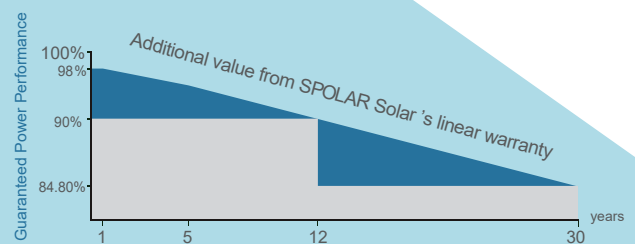
### Severe Weather Resilience

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.



■ Linear performance warranty ■ Standard performance warranty



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

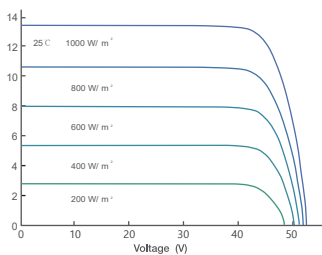
## Electrical Characteristics at Standard Test Conditions (STC)

| Module Type                     | SPV535-PM10-144 | SPV540-PM10-144 | SPV545-PM10-144 | SPV550-PM10-144 | SPV555-PM10-144 | SPV560-PM10-144 |
|---------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Maximum Power - Pmax (W)        | 535             | 540             | 545             | 550             | 555             | 560             |
| Maximum Power Voltage - Vmp (V) | 41.94           | 42.14           | 42.37           | 42.57           | 42.75           | 42.94           |
| Maximum Power Current - Imp (A) | 12.75           | 12.82           | 12.87           | 12.93           | 12.98           | 13.04           |
| Open-circuit Voltage - Voc (V)  | 49.78           | 49.90           | 50.01           | 51.44           | 51.79           | 52.05           |
| Short-circuit Current - Isc (A) | 13.52           | 13.57           | 13.62           | 13.67           | 13.74           | 13.82           |
| Module Efficiency STC (%)       | 20.73 %         | 20.92 %         | 21.12 %         | 21.31 %         | 21.50 %         | 21.69 %         |

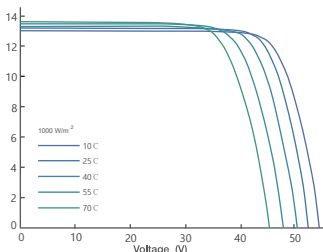
## Electrical Characteristics at Normal Operating Cell Temperature (NOCT)

| Module Type                      | SPV535-PM10-144 | SPV540-PM10-144 | SPV545-PM10-144                    | SPV550-PM10-144 | SPV555-PM10-144 | SPV560-PM10-144 |
|----------------------------------|-----------------|-----------------|------------------------------------|-----------------|-----------------|-----------------|
| Maximum Power - Pmax (W)         | 403             | 407             | 410                                | 414             | 418             | 421             |
| Maximum Power Voltage - Vmp (V)  | 39.52           | 39.68           | 39.89                              | 40.10           | 40.30           | 40.44           |
| Maximum Power Current - Imp (A)  | 10.20           | 10.27           | 10.30                              | 10.35           | 10.37           | 10.41           |
| Open-circuit Voltage - Voc (V)   | 47.21           | 47.38           | 47.58                              | 47.81           | 48.04           | 48.25           |
| Short-circuit Current - Isc (A)  | 10.81           | 10.88           | 10.91                              | 10.93           | 10.95           | 10.99           |
| 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         |                 | 25 A            |                 |
| Temperature Coefficients of Isc  | 0.045% / °C     |                 | Nominal Operating Cell Temperature |                 | 45 ± 2 °C       |                 |

Current-Voltage Curve under different irradiance

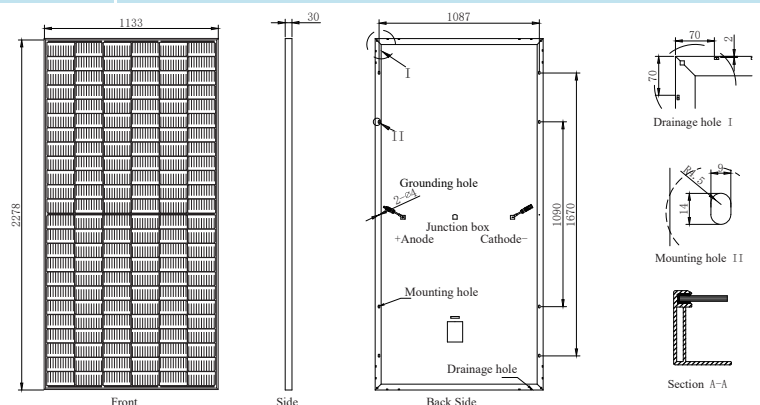


Current-Voltage Curve under different working temperatures



## Mechanical Characteristics

|                         |   |
|-------------------------|---|
| Cell Type               | Mono-crystalline PERC 182x91 mm                             |
| No. of Cells            | 144 (6x24)  |
| Dimensions              | 2278x1133x30 mm   |
| Weight                  | 26.5 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 | 72pcs/stack, 720pcs/40'HQContainer (Two pallets=One stack)  |



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