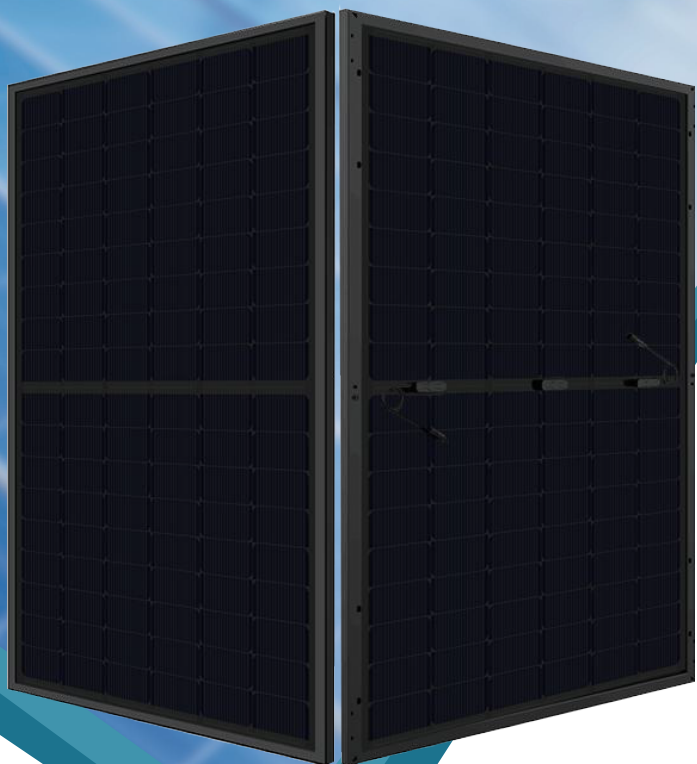




**22.83 %**

Module efficiency



Product warranty

**430 W**

Highest power output



Linear power warranty

**0523441**

**430 Watt**



### High Efficiency and Lower Temperature Coefficient

Higher power conversion efficiency and lower temperature coefficient benefited from advanced Tunnel Oxide Passivating Contacts (TOPCon) technology.



### Anti-reflection

Less than 20% reflectivity with minimum glare.



### Good Mechanical Load Performance

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



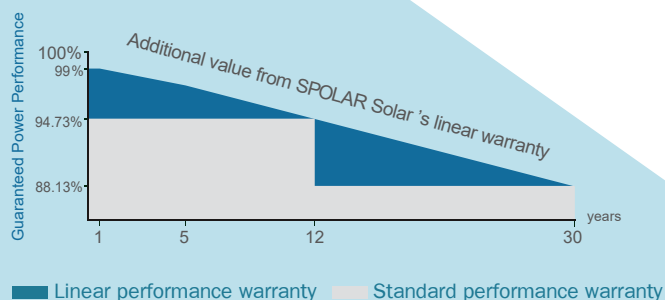
### Low Light Performance Resilience

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



### Durability Against Extreme Environmental Conditions

Good performance of Anti-PID, Ammonia and Salt mist certified by 2 PfG 2387/01.18, IEC61716 and IEC61701.



ISO9001:2016 ISO14001:2016  
OHSAS18001:2011 certified factory.  
IEC61215 IEC61730 certified products.

## Electrical Characteristics at Standard Test Conditions (STC)

|                                 |         |  |
|---------------------------------|---------|--|
| Module Type                     | 0523441 |  |
| Maximum Power - Pmax (W)        | 430     |  |
| Maximum Power Voltage - Vmp (V) | 32.44   |  |
| Maximum Power Current - Imp (A) | 13.25   |  |
| Open-circuit Voltage - Voc (V)  | 38.26   |  |
| Short-circuit Current - Isc (A) | 14.17   |  |
| Module Efficiency STC (%)       | 22.05 % |  |

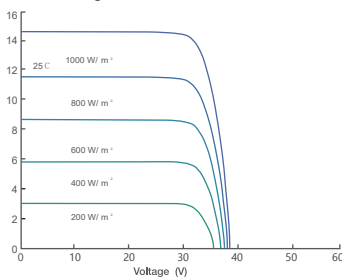
## Electrical Characteristics at Normal Operating Cell Temperature (NOCT)

|                                  |              |                                    |                 |
|----------------------------------|--------------|------------------------------------|-----------------|
| Module Type                      | 0523441      |                                    |                 |
| Maximum Power - Pmax (W)         | 327          |                                    |                 |
| Maximum Power Voltage - Vmp (V)  | 30.10        |                                    |                 |
| Maximum Power Current - Imp (A)  | 10.86        |                                    |                 |
| Open-circuit Voltage - Voc (V)   | 36.21        |                                    |                 |
| Short-circuit Current - Isc (A)  | 11.41        |                                    |                 |
| Power Tolerance                  | 0 ~ +3W      | Operating Temperature (°C)         | -40 °C ~ +85 °C |
| Temperature Coefficients of Pmax | -0.30% / °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       |

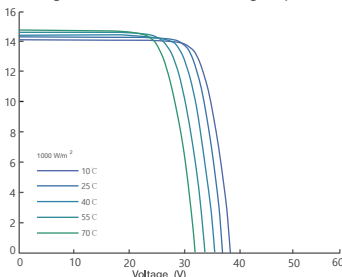
## Mechanical Characteristics

|                         |                                                              |
|-------------------------|--------------------------------------------------------------|
| Cell Type               | Mono-crystalline TOPCon 182x91 mm                            |
| No. of Cells            | 108 (6x18)                                                   |
| Dimensions              | 1721x1133x30 mm                                              |
| Weight                  | 23.5 kg                                                      |
| Glass                   | Dual Glass 2.0mm Heat Strengthened Glass                     |
| Frame                   | Anodized Aluminium Alloy                                     |
| Junction Box            | IP68, MC4 Compatible, 3 Bypass Diode                         |
| Output Cables           | 1x4.0 mm², Length: 1200 mm or Customized Length              |
| Packaging Configuration | 72pcs/stack, 936pcs/40'HQContainer ( Two pallets=One stack ) |

Current-Voltage Curve under different irradiance



Current-Voltage Curve under different working temperatures



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