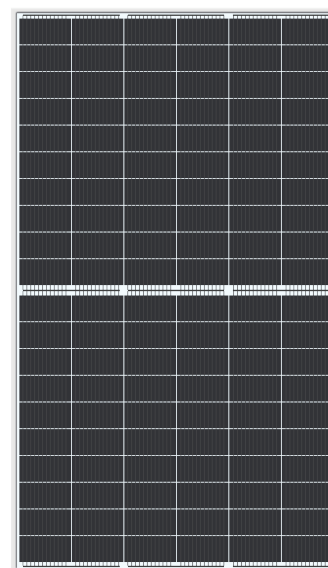




**595W** **21.05 %**  
Module efficiency

**600W** **21.23 %**  
Module efficiency



### Electrical Characteristics at Standard Test Conditions (STC)

Module Type	SPV595-PG12-120	SPV600-PG12-120
Maximum Power - Pmax (W)	595	600
Maximum Power Voltage - Vmp (V)	34.19	34.41
Maximum Power Current - Imp (A)	17.41	17.45
Open-circuit Voltage - Voc (V)	41.30	41.50
Short-circuit Current - Isc (A)	18.47	18.52
Module Efficiency STC (%)	21.05 %	21.23 %

Tolerance of Rating Pmax /Voc/ Isc[%]: ±5/ ±4/ ±4

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

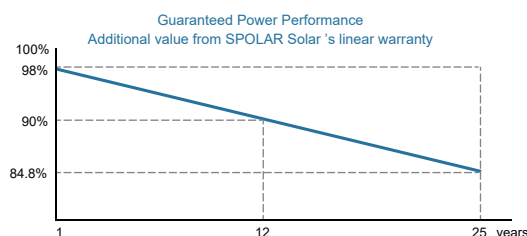
Module Type	SPV595-PG12-120	SPV600-PG12-120
Maximum Power - Pmax (W)	448	452
Maximum Power Voltage - Vmp (V)	32.30	32.41
Maximum Power Current - Imp (A)	13.93	13.94
Open-circuit Voltage - Voc (V)	38.49	38.72
Short-circuit Current - Isc (A)	14.79	14.80

### Temperature & Maximum Ratings

Operating Temperature (°C)	-40 °C ~ +85 °C
Nominal Operating Cell Temperature	45 ± 2 °C
Temperature Coefficients of Pmax	-0.35% / °C
Temperature Coefficients of Voc	-0.275% / °C
Temperature Coefficients of Isc	0.045% / °C
Power Tolerance	0 ~ +3W
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	30 A

### Mechanical Characteristics

Cell Type	Mono-crystalline
No. of Cells	120 (6x20)
Dimensions	2172x1303x30 mm
Weight	30.5 kg
Glass	3.2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, MC4 Compatible, 3 Bypass Diode Connector: Type PV-XT101.1[Xtong] or Type PV-KST4-EVO 2/xy UR(male) &PV-KBT4-EVO2/xy UR (female)[Stäubli]
Fire Rating	Class C
Safety Class	Class II
Packaging Configuration	1x4.0 mm <sup>2</sup> , Length: 300 mm or Customized Length
Output Cables	36pcs/pallet, 648pcs/40'HQContainer



**12**  
years  
Product warranty

**25**  
years  
Linear power warranty

## SPV595-PG12-120 SPV600-PG12-120



### High Efficiency

Higher power conversion efficiency benefited from advanced SpolarPV technology.



### Anti-reflection

Less than 20% reflectivity with minimum glare.



### Good Mechanical Load

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



### Low Light Resilience

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



### Environmental Durability

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

