



220W 280W 330W

Electrical Characteristics at Standard Test Conditions (STC)

Module Type	SPV220-PM10-108	SPV280-PM10-108	SPV330-PM10-108
Maximum Power - Pmax (W)	220	280	330
Maximum Power Voltage - Vmp (V)	24.97	28.75	30.92
Maximum Power Current - Imp (A)	8.81	9.74	10.68
Open-circuit Voltage - Voc (V)	29.76	34.26	37.02
Short-circuit Current - Isc (A)	9.21	10.18	11.17
Module Efficiency STC (%)	11.26 %	14.33 %	16.89 %

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

Electrical Characteristics at Normal Operating Cell Temperature (NOCT)

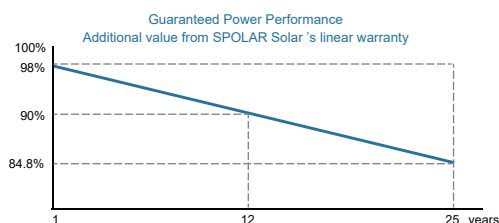
Module Type	SPV220-PM10-108	SPV280-PM10-108	SPV330-PM10-108
Maximum Power - Pmax (W)	164	209	247
Maximum Power Voltage - Vmp (V)	23.22	26.73	29.03
Maximum Power Current - Imp (A)	7.06	7.82	8.51
Open-circuit Voltage - Voc (V)	27.81	32.02	34.77
Short-circuit Current - Isc (A)	7.48	8.28	9.01

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	25 A

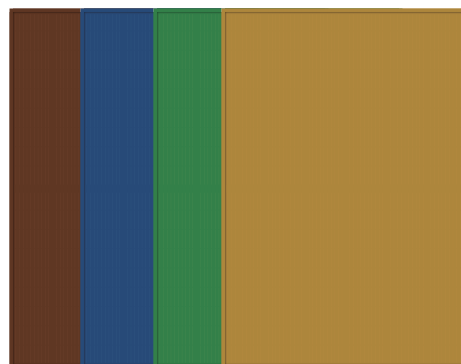
Mechanical Characteristics

Cell Type	Mono-crystalline
No. of Cells	108 (6x18)
Dimensions	1724x1133x30 mm
Weight	21 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 ² , Length: 300 mm or Customized Length
Output Cables	74pcs/stack, 962pcs/40'HQContainer (Two pallets=One stack)



12
years
Product warranty

25
years
Linear power warranty



SPV220-PM10-108 SPV280-PM10-108 SPV330-PM10-108



Color BIPV

Innovative building-integrated photovoltaic (BIPV) designs, featuring a diverse range of color options to suit your aesthetic preferences.



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.

