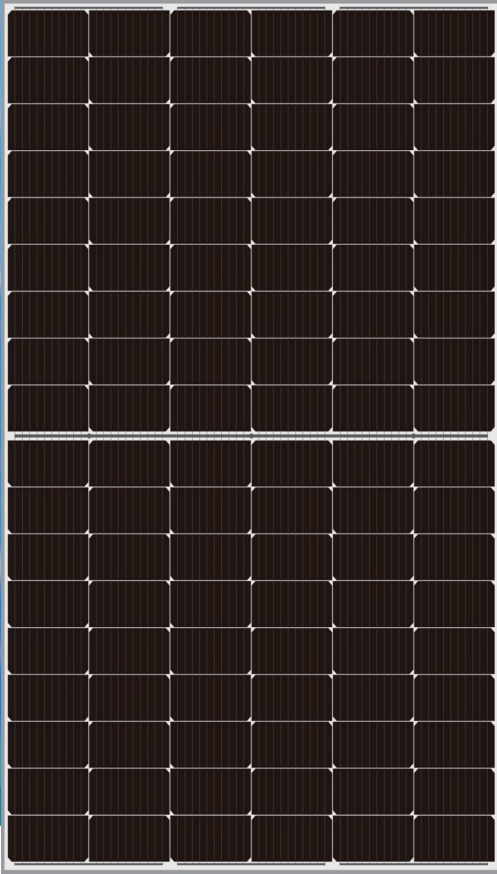




**SpolarPV**  
Easy Invest, More Returns



**21.53 %**

Module efficiency

**420 W**

Highest power output



Product warranty



Linear power warranty

# SPV420-PM10-108

## 400-420Watt



### 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.



### Good Mechanical Load Performance

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



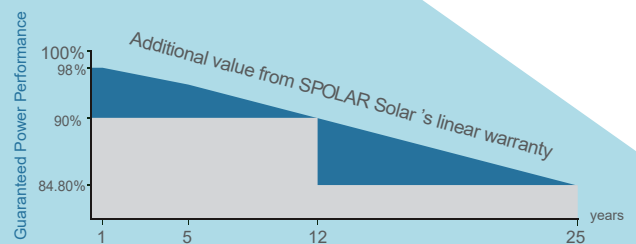
### Low Light Performance Resilience

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.



■ Linear performance warranty ■ Standard performance warranty



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

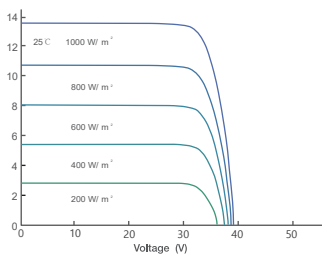
## Electrical Characteristics at Standard Test Conditions (STC)

Module Type	SPV400-PM10-108	SPV405-PM10-108	SPV410-PM10-108	SPV415-PM10-108	SPV420-PM10-108
Maximum Power - Pmax (W)	400	405	410	415	420
Maximum Power Voltage - Vmp (V)	31.34	31.63	31.87	32.13	32.36
Maximum Power Current - Imp (A)	12.77	12.80	12.87	12.91	12.98
Open-circuit Voltage - Voc (V)	37.69	38.02	38.35	38.67	38.98
Short-circuit Current - Isc (A)	13.52	13.57	13.62	13.67	13.72
Module Efficiency STC (%)	20.51 %	20.77 %	21.03 %	21.28 %	21.53 %

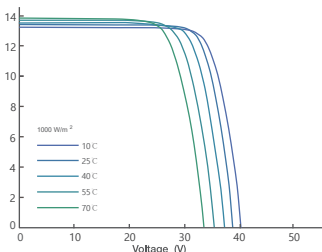
## Electrical Characteristics at Normal Operating Cell Temperature (NOCT)

Module Type	SPV400-PM10-108	SPV405-PM10-108	SPV410-PM10-108	SPV415-PM10-108	SPV420-PM10-108
Maximum Power - Pmax (W)	301	304	308	311	314
Maximum Power Voltage - Vmp (V)	29.49	29.69	29.89	30.12	30.16
Maximum Power Current - Imp (A)	10.22	10.26	10.30	10.33	10.41
Open-circuit Voltage - Voc (V)	35.38	35.58	35.78	36.02	36.34
Short-circuit Current - Isc (A)	10.83	10.88	10.91	10.93	11.00
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

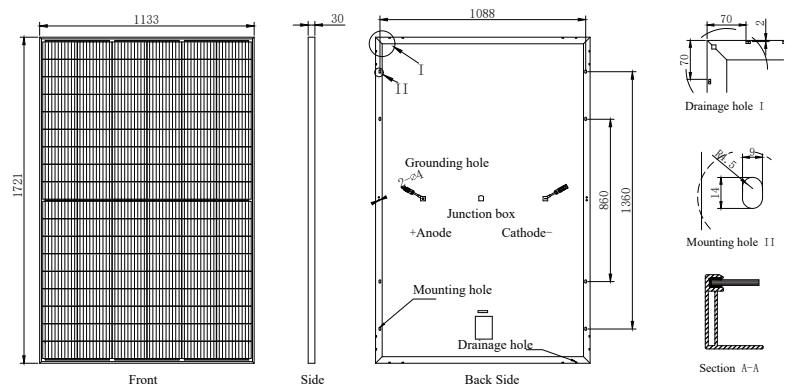


Current-Voltage Curve under different working temperatures



## Mechanical Characteristics

Cell Type	Mono-crystalline PERC 182x91 mm
No. of Cells	108 (6x18)
Dimensions	1721x1133x30 mm
Weight	21.0 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	74pcs/stack, 962pcs/40'HQContainer ( Two pallets=One stack )



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