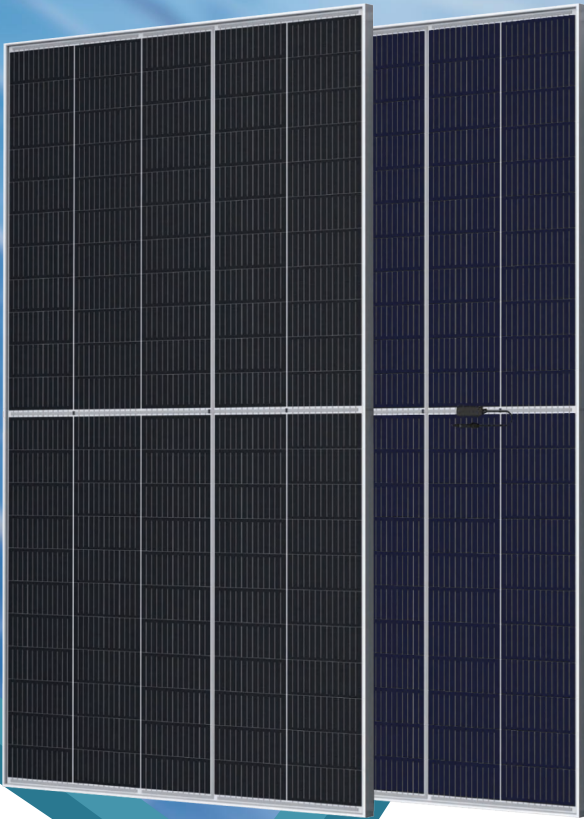




SpolarPV
Easy Invest, More Returns



22.00 %

Module efficiency

575 W

Highest power output



Product warranty



Linear power warranty

SPV575-TG12-110BD

555-575Watt



High Efficiency

Higher power conversion efficiency benefited from advanced Tunnel Oxide Passivating Contacts (TOPCon) 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.



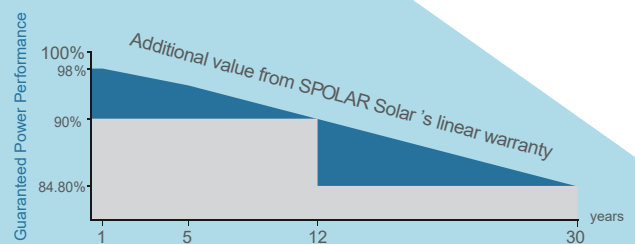
Severe Weather Resilience

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.

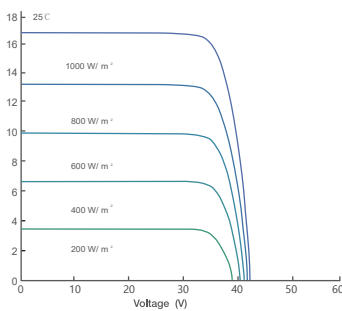
Electrical Characteristics at Standard Test Conditions (STC)

Module Type	SPV555-TG12-110BD	SPV560-TG12-110BD	SPV565-TG12-110BD	SPV570-TG12-110BD	SPV575-TG12-110BD
Maximum Power - Pmax (W)	555	560	565	570	575
Maximum Power Voltage - Vmp (V)	34.51	34.72	34.92	35.16	35.34
Maximum Power Current - Imp (A)	16.10	16.16	16.21	16.22	16.27
Open-circuit Voltage - Voc (V)	41.40	41.68	41.92	42.18	42.43
Short-circuit Current - Isc (A)	16.74	16.79	16.85	16.88	16.93
Module Efficiency STC (%)	21.27 %	21.46 %	21.65 %	21.84 %	22.00 %

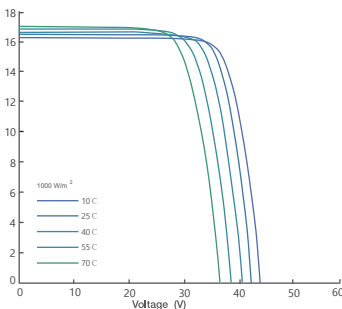
Electrical Characteristics at Normal Operating Cell Temperature (NOCT)

Module Type	SPV555-TG12-110BD	SPV560-TG12-110BD	SPV565-TG12-110BD	SPV570-TG12-110BD	SPV575-TG12-110BD
Maximum Power - Pmax (W)	421	425	428	432	435
Maximum Power Voltage - Vmp (V)	32.98	33.16	33.35	33.58	33.44
Maximum Power Current - Imp (A)	12.77	12.83	12.86	12.87	13.01
Open-circuit Voltage - Voc (V)	39.18	39.79	40.02	40.28	40.14
Short-circuit Current - Isc (A)	13.29	13.34	13.37	13.38	13.54
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		30 A
Temperature Coefficients of Isc	0.045% / °C		Nominal Operating Cell Temperature		45 ± 2 °C

Current-Voltage Curve under different irradiance

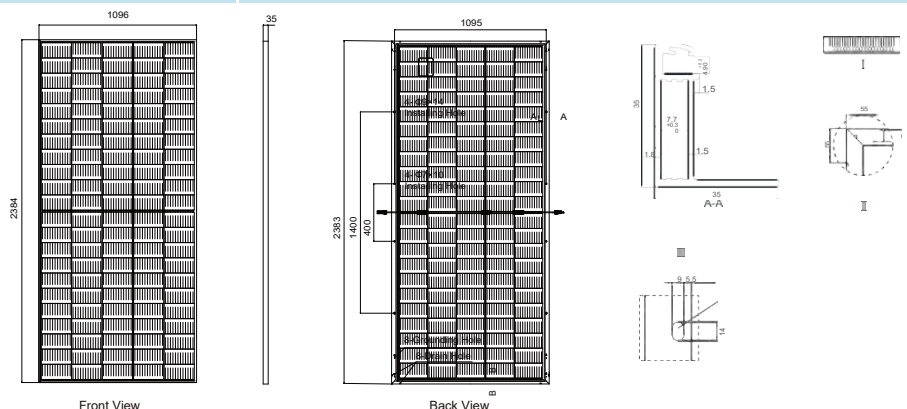


Current-Voltage Curve under different working temperatures



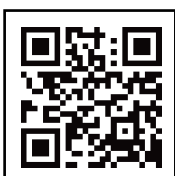
Mechanical Characteristics

Cell Type	Mono-crystalline TOPCon 210x105 mm
No. of Cells	110 (5x22)
Dimensions	2384x1096x35 mm
Weight	33.0 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: 300 mm or Customized Length
Packaging Configuration	31pcs/pallet, 620pcs/40'HQContainer



Front View

Back View



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