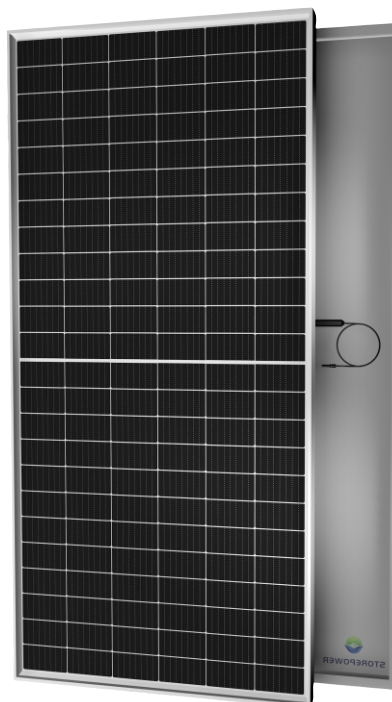


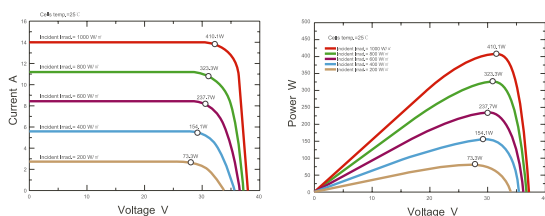
PV525-550PERC

525-550 Watt

182 mm 144 Cells Monofacial PV Module



Current-Voltage & Power-Voltage Curves



Electrical Characteristics

Module Type	PV525PERC		PV530PERC		PV535PERC		PV540PERC		PV545PERC		PV550PERC	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	525	397	530	401	535	405	540	408	545	412	550	416
Open Circuit Voltage (Voc/V)	49.15	46.05	49.30	46.18	49.45	46.31	49.60	46.43	49.75	46.55	49.90	46.68
Short Circuit Current (Isc/A)	13.65	10.97	13.72	11.01	13.79	11.05	13.86	11.09	13.93	11.13	14.00	11.17
Optimum Operating Voltage (Vmp/V)	41.15	38.36	41.31	38.57	41.47	38.78	41.64	38.99	41.80	39.20	41.96	39.43
Optimum Operating Current (Imp/A)	12.76	10.35	12.83	10.39	12.90	10.43	12.97	10.47	13.04	10.51	13.11	10.55
Module Efficiency (ηm/%)	20.3		20.5		20.7		20.9		21.1		21.3	
Power Tolerance	0/+4.99 W											
Maximum System Voltage	1500 VDC (IEC / UL)											
Maximum Series Fuse Rating	25 A											

STC: Irradiance 1000 W/m², Cell Temperature 25 °C, Air Mass 1.5; NOCT: irradiance 800 W/m², Ambient Temperature 20 °C, Air Mass 1.5, Wind Speed 1m/s

Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	45±2 °C
Temperature Coefficient of Pmax	-0.350 %/°C
Temperature Coefficient of Voc	-0.275 %/°C
Temperature Coefficient of Isc	+0.045 %/°C
Operating Temperature	-40~+85 °C

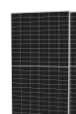
Mechanical Specifications

Solar Cells	Monocrystalline 182 mm (2x72 pcs)
Front/Back Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0 mm ² , 1200 mm (+), 1200 mm (-)
Connectors	MC4 compatible
Mechanical Load	Front Side Max. 5400 Pa, Rear Side Max. 2400 Pa

Packing Configuration

Panel Size	2278 x 1134 x 35 mm	
Panel Weight	28.6 kg	
Container	20'GP 40'HQ	
Pieces per Pallet	31	31
Pallets per Container	4	20
Pieces per Container	124	620

Customization Options



Double glass or bifacial



Full black



Custom cable length



Custom connectors