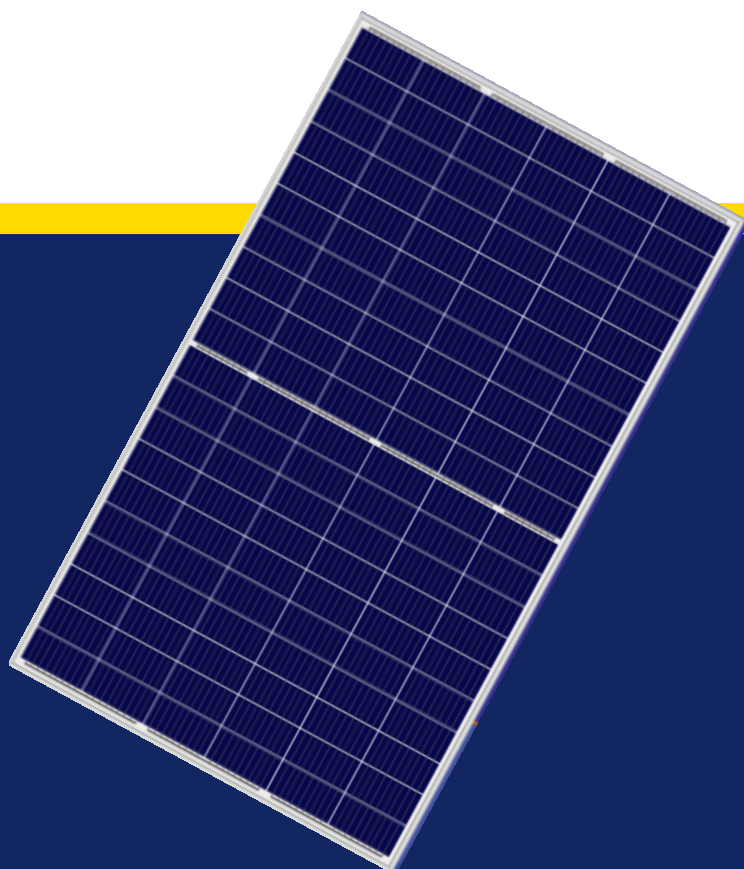




SS-300-60PDX9

290-300W

Management System

ISO 9001: Quality Management System

ISO 14001: Environmental Management System Standard

OHSAS 18001: International Occupational Health and Safety Assessment System Standard



Half-cut cell technology

New circuit design, lower internal current, lower Rs loss



Significantly lower the risk of hot spot

Special circuit design with much lower hot spot temperature



Resistance to power attenuation passed **TÜVRheinland** system voltage endurance test

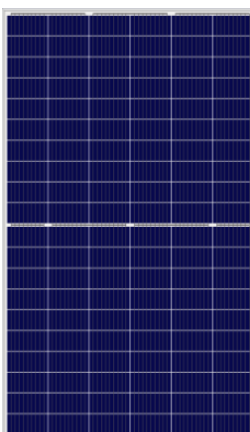
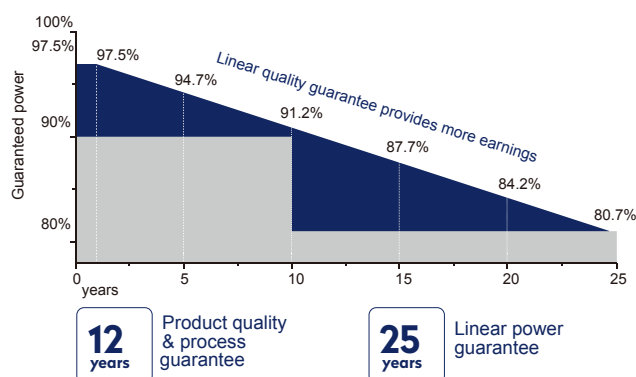


Resistance to salt-spray corrosion (IEC61701, certified to **TÜVRheinland** test standard)



100% double EL test enabling remarkable reduction of hidden crack rate of modules

Product Guarantee



Product Certification



Product Insurance



Specifications are subject to change without prior notice

SS-300-60PDX9

Electric characteristics

Model of modules	SS-290-60PDX9		SS-295-60PDX9		SS-300-60PDX9	
	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power— P_{mp} (W)	290W	219W	295W	223W	300W	227W
Open-circuit voltage— V_{oc} (V)	39.2V	36.9V	39.5V	37.2V	39.8V	37.4V
Short-circuit current— I_{sc} (A)	9.60A	7.74A	9.67A	7.80A	9.77A	7.88A
Maximum power voltage — V_{mp} (V)	31.8V	30.1V	32.1V	30.4V	32.3V	30.6V
Maximum power current — I_{mp} (A)	9.12A	7.28A	9.19A	7.34A	9.29A	7.42A
Module efficiency— η_m (%)	17.17%		17.46%		17.76%	

STC : Irradiance 1000 W/m², 25°C, AM1.5 NOCT: Irradiance 800 W/m², 20°C, wind velocity 1m/s

Temperature characteristics

Temperature coefficient at maximum power	-0.37%/°C
Temperature coefficient at open-circuit voltage	-0.29%/°C
Temperature coefficient at short-circuit current	+0.05%/°C
Operating temperature	-40~+85 °C
Rated operating temperature of cells	45±2 °C

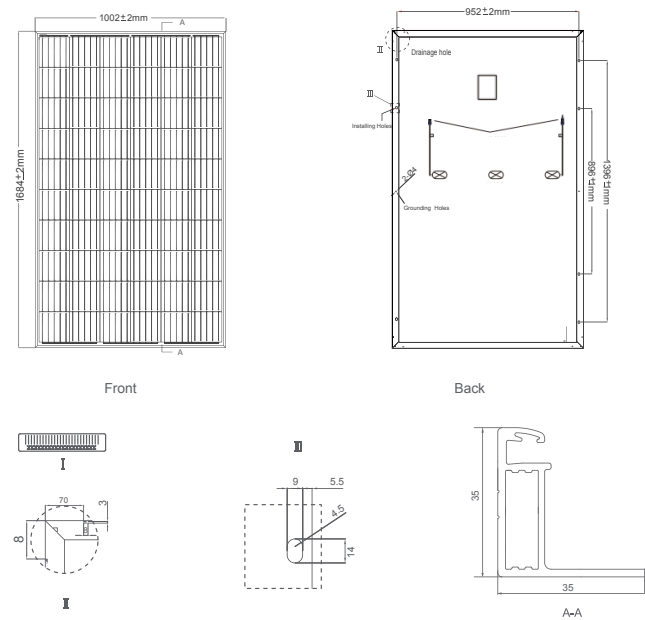
Structural characteristics

Module dimensions	1684 x 1002 x 35 mm
Weight/No.of Half-cells	19.0kg / 120(6x20)
Cell	Polycrystal 158.75×158.75mm 9BB
Glass	3.2mm AR tempered glass, low iron
Frame	Anodized aluminum alloy
Junction box	IP67
Output wire	4.0 mm ² , wire length: 290mm ,-145mm or Customized
Connector	MC4 compatible
Mechanical load	5400 Pa

Working characteristics

Power tolerance (W)	(0,+5)
Maximum system voltage (V)	1000V/1500V
Maximum rated fuse current (A)	20

Engineering Drawings



Packaging Configuration

Container	20GP	40HC
Quantity/pallet	27	27
Pallets/container	10	26
Quantity/container	324	884

Specifications are subject to change without prior notice