

SS-285-60P 60cells

265-285W

Management System

ISO 9001: Quality Management System

ISO 14001: Environmental Management System Standard

OHSAS 18001: International Occupational Health and Safety Assessment System Standard

Safety



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

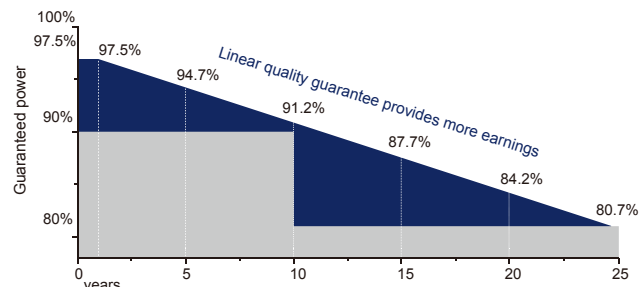


Resistance to ammonia Corrosion
(IEC62716, certified to TÜVRheinland test standard)



Fire safety
(Class C, certified to TÜVRheinland and Rheinland test standards)

Product Guarantee



12 years

Product quality & process guarantee

25 years

Linear power guarantee

Reliability



Resistance to power attenuation
passed TÜVRheinland system voltage endurance test

High performance



Excellent power output of modules in low light environment



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

Product Certification



Product Insurance



Specifications are subject to change without prior notice

SS-285-60P 60cells

Electric characteristics

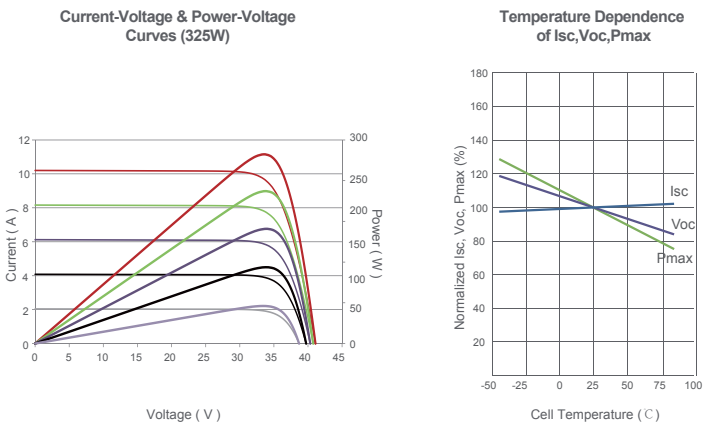
Model of modules	SS-265-60P		SS-270-60P		SS-275-60P		SS-280-60P		SS-285-60P	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power— P_{mp} (W)	265W	197W	270W	200W	275W	204W	280W	208W	285W	212W
Open-circuit voltage— V_{oc} (V)	38.6V	35.3V	38.8V	35.4V	39.1V	35.4V	39.4V	35.6V	39.6V	35.7V
Short-circuit current— I_{sc} (A)	9.03A	7.36A	9.09A	7.38A	9.15A	7.44A	9.20A	7.99A	9.26A	8.05A
Maximum power voltage— V_{mp} (V)	31.4V	29.0V	31.7V	29.4V	32.0V	29.8V	32.3V	30.1V	32.5V	30.4V
Maximum power current— I_{mp} (A)	8.44A	6.78A	8.52A	6.80A	8.61A	6.85A	8.69A	6.91A	8.77A	6.97A
Module efficiency— η_m (%)	16.19%		16.50%		16.80%		17.11%		17.41%	

STC : Irradiance 1000 W/m², 25°C, AM1.5

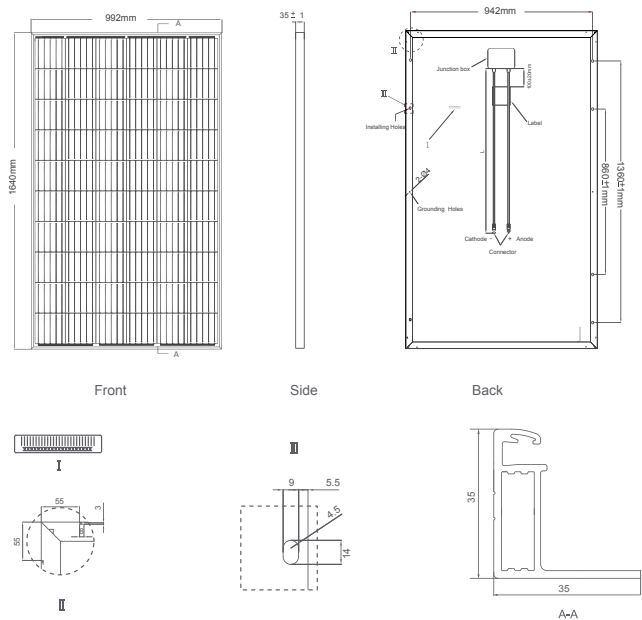
NOCT: Irradiance 800 W/m², 20°C, wind velocity 1m/s

Power tolerance (W)	(0,+3)
Maximum system voltage (V)	1000V/1500V
Maximum rated fuse current (A)	20

Electrical Performance & Temperature Dependence



Engineering Drawings



Temperature characteristics

Temperature coefficient at maximum power	-0.38 %/°C
Temperature coefficient of V_{oc}	-0.31 %/°C
Temperature coefficient of I_{sc}	+0.06%/°C
current Operating temperature	-40~+85°C
Rated operating temperature of cells	45±2°C

Packaging Configuration

Container	20GP	40HC
Quantity/pallet	31	31
Pallets/container	12	28
Quantity/container	372	952

Structural characteristics

Module dimensions	1640 x 992 x 35 mm
Weight	18.0 kg
Cell	Polycrystal 156.75×156.75mm
Glass	3.2mm AR tempered
Frame	Anodized aluminum alloy
Junction box	IP67
Output wire	4.0 mm ² , wire length: 900 mm or Customized Length
Connector	MC4 compatible
Mechanical load	5400 Pa

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