

General

Cells	60 (perc 5BB) polycrystalline	Cellsize	158.75x158.75mm
Frame	Anodized aluminium	Front glass	3.2 mm Solar glass
Connection	Plastics, IP65, 3 bypass-diodes	Wire	4 mm ² Solar cabel, 1100 mm length
Connector	HENGDA	Power tolerance	0 to +5 Wp

Electrical Datas (STC*)

MODULETYPE			270	275	280	285	290
Nominal Power	P _{MPP}	Wp	0/+5Wp	0/+5Wp	0/+5Wp	0/+5Wp	0/+5Wp
MPP-Voltage	U _{MPP}	V	30.72V	30.94V	31.19V	31.43V	31.70V
MPP- Current	I _{MPP}	A	8.79A	8.89A	8.98A	9.07A	9.15A
Open-circuit voltage	U _{OC}	V	37.92V	38.18V	38.43V	38.69V	38.95V
Short-circuit current	I _{SC}	A	9.28A	9.36A	9.44A	9.53A	9.62A
Module efficiency	η%		16.26%	16.56%	16.86%	17.16%	17.46%

Temperature coefficients

Temperature coefficients I _{SC}	+0.04 %/K
Temperature coefficients U _{OC}	- 0.30 %/K
Temperature coefficients P _{MPP}	- 0.40 %/K
NOCT	48 °C ± 2 °C

Limits

System voltage max.	1500V
Reverse current max.	16 A
Operating temperature	- 40 °C - 85 °C
Maximum load	5400 Pa/m ² = 550 kg/m ² (75 lbs/ft ²)
Safety class	II

Certifications and warranty

According	IEC61215, IEC61730 i.V.
Product warranty	12 years
Performance warranty	linear 25 years

Mechanical Datas

Dimensions	1660x1000x35mm
Weight	18.2kg

Packing configuration

Modules/Cardboard	30
Cardboard/Container	28
Modules/Container	840
Palette dimensions	1680x1120x120cm (LxBxH) 600 kg

Technical drawing

