

Super HC Series:
Mono Half cut 144C 400Wp~415Wp

General

Cells	144 (perc 5BB) monocrystalline	Cellsize	158.75x79.375mm
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			400	405	410	415
Nominal Power	P _{MPP}	Wp	0/+5Wp	0/+5Wp	0/+5Wp	0/+5Wp
MPP-Voltage	U _{MPP}	V	40.60V	40.80V	41.00V	41.20V
MPP- Current	I _{MPP}	A	9.86A	9.93A	10.00A	10.08A
Open-circuit voltage	U _{OC}	V	49.00V	49.20V	49.40V	49.60V
Short-circuit current	I _{SC}	A	10.32A	10.35A	10.40A	10.43A
Module efficiency	η%		19.88%	20.13%	20.38%	20.63%

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.	20A
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	2008x1002x40mm
Weight	24kg

Packing configuration

Modules/Cardboard	27
Cardboard/Container	22
Modules/Container	594
Palette dimensions	2040x1110x120cm (LxBxH) 655kg

Technical drawing

