ZY545M10PH-144

Mono-crystalline Solar PV Modules

545 Watts

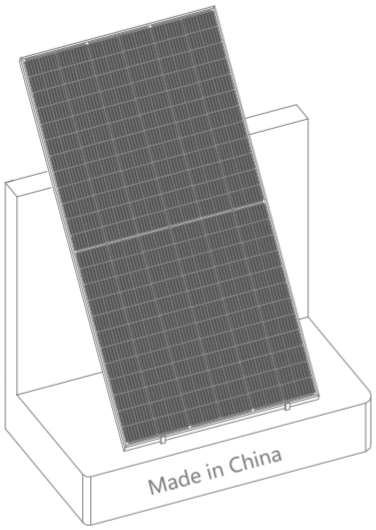
Efficient photovo-ltaic modules

12 years

product warranty

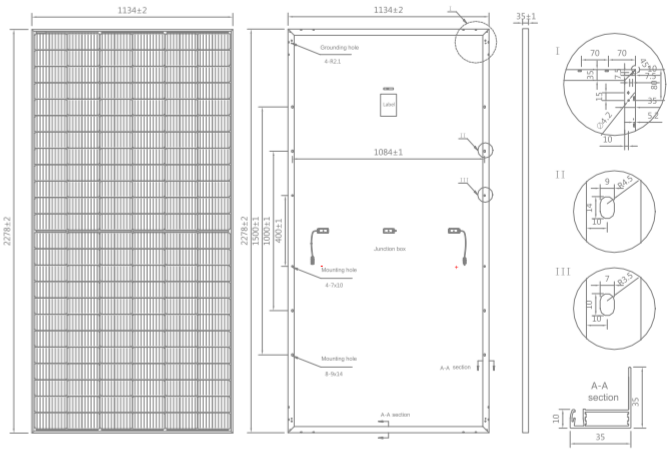
25 years

Limited power warranty of 84% of the mnimum specificed power rating



Dimensions of PV Module(mm):

Dimensions:	2278*1134*35mm
Weight:	28.0 kg(±3%)



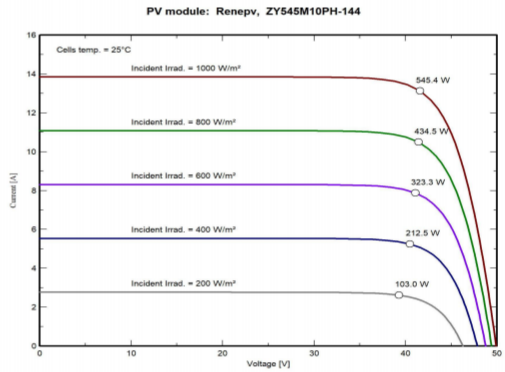
Electrical specifications:

Module Type:		ZY545M10PH-144	
Nominal Peak Power:(Pmax)STC/NMOT±3%	(w):	545	407
Max.Power Voltage:(Vmp)STC/NMOT	(V):	40.76	38.0
Max.Power Current:(Imp)STC/NMOT	(A):	13.38	10.71
Open-circuit Voltage:(Voc)STC/NMOT±3%	(V):	49.51	45.5
Short-circuit Current:(Isc)STC/NMOT±3%	(A):	13.94	11.70
Module Efficiency:(nm)	(%):	21.1	
Power Selection	(W):	0~+5	
Operating Temperature:	(℃):	-40~+85	
Max. Series Fuse Rating:	(A):	25	
Max. System voltage:(DC)	(V):	1500	

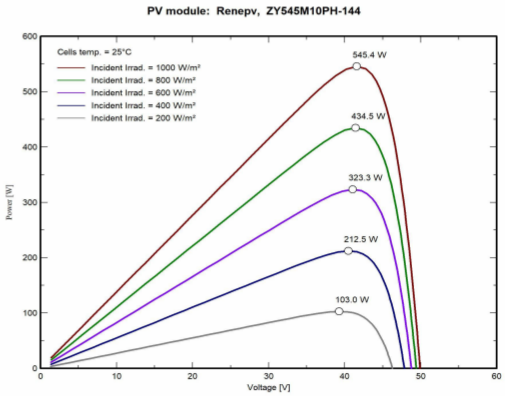
STC: rradiance 1000 W/m²,module temperature 25℃,AM1.5;
NMOT: rradiance 800 W/m²,module temperature 20℃,AM 1.5,wind speed 1 m/s.

Electrical characteristics:

Current-Voltage Characteristic(I-V Curve)



Power-Voltage Characteristic(P-V Curve)



Mechanical Specifications

Solar Cell:	P-Mono-182*91
Arrangment:	Type-6*12*2
Front Glass:	3.2mm tempered glass
Frame:	Anodized aluminium alloy
Junction Box:	IP68,3 diodes
Cables& Connectors:	4.0mm²&PV-CXLH0601
Manufacturer of connector&Junction Box	Ningbo Lihui photovoltaic Technology Co., Ltd
Maximum Load Capacity	5400Pa/2400Pa
Safty Rate	Class II (IEC)
Fire Rate	Class C (TUV)

Temperature characteristics

Temperature Coeffcient (Pmax):	-0.35 %/℃
Temperature Coefficient (Voc):	-0.30 %/℃
Temperature Coefficient (Isc):	+0.046 %/C
Norminal Operating Cell Temperature:	44±2 ℃

Packing Configuration

40'HQ Container:	31pcs/pallet	20pallet/40'HQ	620pcs

TUV/IEC61215/61730 Quality / ISO Certifed Company

@NINGBO ZHONGYI NEW ENERGY CO., LTD.
Address：No.509 Zhengtong North Road,CixiCity hi-tech Industrial development zone,Zhejiang,China
Tell: +86-0574-63097968 Fax: +86-0574-63097968 Email: info@renepv.com
https://www.renepv.com