

REDSOLAR

N series M10 TOPCon Bifacial

CETC-570-595T(GDF)/144



Product warranty



Linear power warranty



PID Resistant Guarantee



Multi Busbar Technology



Better Performance



High Returns



570-595W

Output power

23.0%

Maximum efficiency

0~+5W

Power tolerance

Electrical Parameter(STC)

Model	570T	575T	580T	585T	590T	595T
Maximum power (W)	570	575	580	585	590	595
Working point voltage (V)	42.20	42.52	42.80	43.08	43.32	43.59
Working point current (A)	13.49	13.52	13.55	13.58	13.62	13.65
Open circuit voltage (V)	50.95	51.10	51.25	51.35	51.45	51.55
Short circuit current (A)	14.32	14.39	14.46	14.50	14.54	14.58
PV module efficiency	22.07%	22.26%	22.45%	22.65%	22.83%	23.03%
Standard test conditions	Atmospheric quality Am1.5, Irradiance 1000w/m ² , Cell Temperature 25°C					

Rear Side Power Gain

5%	Maximum Power	598Wp	603Wp	609Wp	614Wp	620Wp	625Wp
	Efficiency STC	23.19%	23.39%	23.59%	23.78%	23.98%	24.19%
15%	Maximum Power	656Wp	661Wp	667Wp	673Wp	679Wp	684Wp
	Efficiency STC	25.40%	25.62%	25.84%	26.04%	26.27%	26.48%
25%	Maximum Power	713Wp	719Wp	725Wp	731Wp	738Wp	744Wp
	Efficiency STC	27.61%	27.85%	28.09%	28.31%	28.55%	28.79%

The Electrical performance parameters are neither just referred to one PV panel, nor are a part of the contract; They are only used as reference.

Mechanical Parameters

Module size	2278*1134*30mm
Number of solar cells	144Pcs(2*6*12)
Weight	31Kg +5%
Junction Box	IP68, 3 diodes
Cables	4mm ² , +:300mm/-:200(Customizable)
Front plate glass	2.0mm, coated ultra-white semi-tempered glass
Rear plate glass	2.0mm, Semi-tempered glass
Static load on the front	5400Pa
Static load on the back	2400Pa

Packaging&Transport

40'HQ container transport	36 Pcs/box x 20 box = 720 Pcs
17.5m truck transport	36 Pcs/box x 26 box = 936 Pcs
13m truck transport	36 Pcs/box x 22 box = 792 Pcs

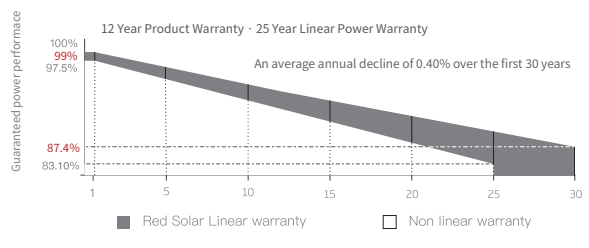
Temperature Parameter

NMOT	42±2°C
Temperature coefficient of maximum power(Pmax)	-0.29%/°C
Temperature coefficient of open circuit voltage(Voc)	-0.25%/°C
Temperature coefficient of short circuit current(Isc)	+0.045%/°C

Limit Parameter

Working temperature	-40~+85°C
Maximum system voltage	1500VDC
Maximum fuse rated current	25A

Excellent Power Guarantee



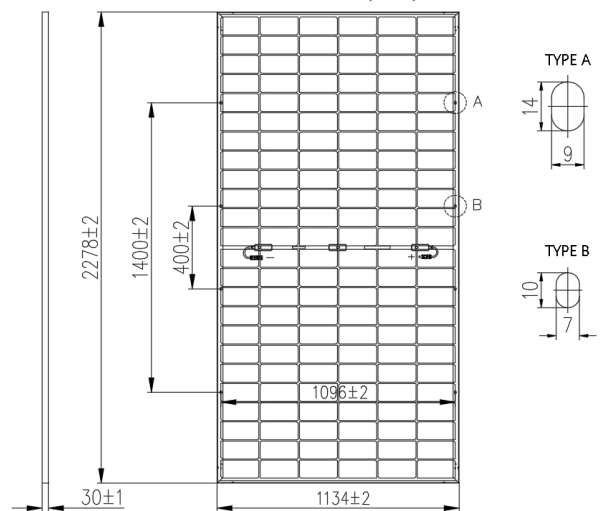
Model of PV Module

CETC-xxxT (GDF) /144

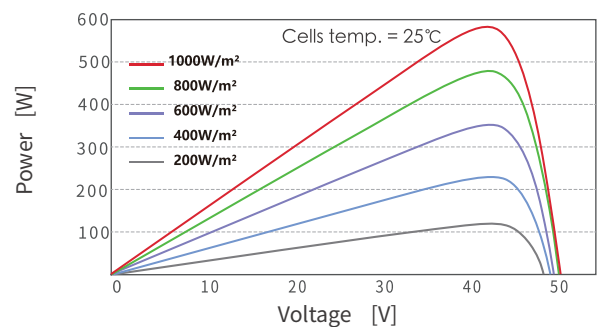
Power Range

570-595W

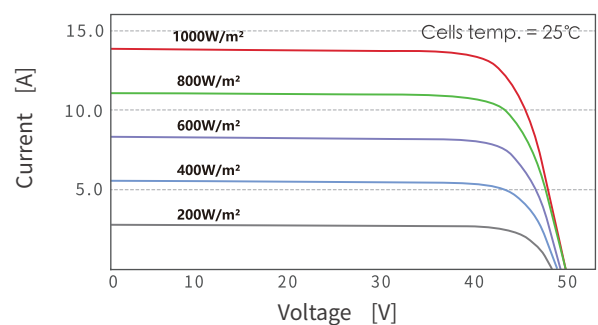
PV module dimensions (mm)



P-V Curves of PV Module



I-V Curves of PV Module



📍 No. 586 Tongzipowest Road, High-Tech Development Zone, Changsha City, Hunan Province

🌐 <http://cn.red-solar.com/> ☎ 400-963-1580
<https://red-solar.com/> 0731-8540 4850 / 8998 0609

All data contained in this specification are subject to change without prior notice. The final interpretation rights belong to Hunan Red Solar New Energy Science and Technology Co.,Ltd (202505v01)