

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 Characteristics(STC)

Model	570T	575T	580T	585T	590T	595T
Maximum power (W)	570	575	580	585	590	595
Maximum power voltage (V)	42.20	42.52	42.80	43.08	43.32	43.59
Maximum power 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 glass	2.0mm, coated ultra-white semi-tempered glass
Rear glass	2.0mm, Semi-tempered glass
Maximum static load(front)	5400Pa
Maximum static load(rear)	2400Pa

Packaging Configurations

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

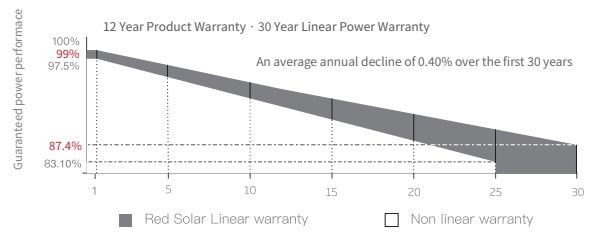
Temperature Coefficients

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

Application Conditions

Working temperature	-40~+85°C
Maximum system voltage	1500VDC
Maximum fuse rated current	30A

Excellent Power Guarantee



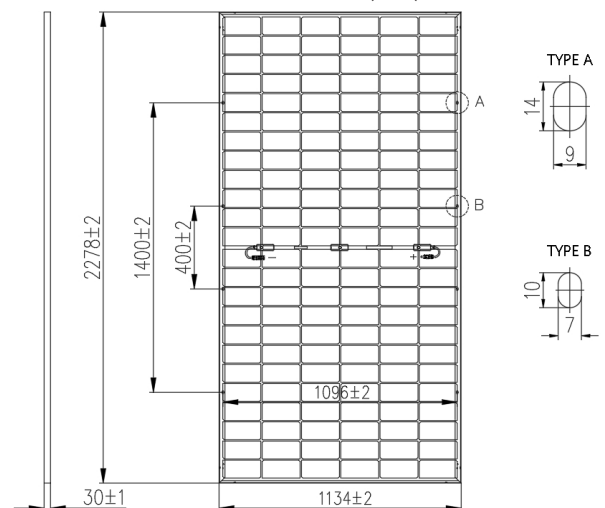
Model of PV Module

CETC-xxxT (GDF) /144

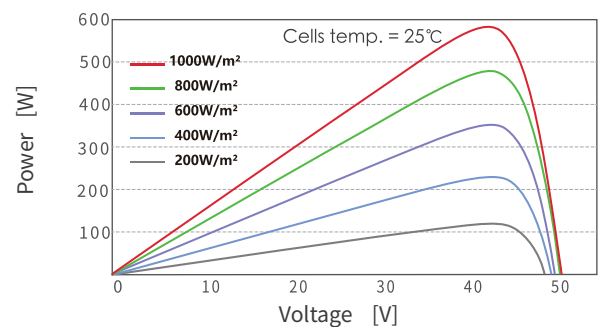
Power Range

570-595W

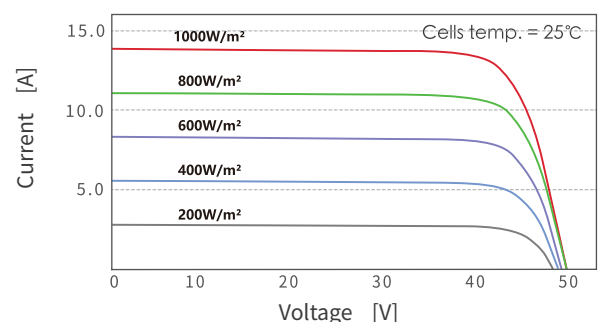
PV module dimensions (mm)



P-V Curves of PV Module



I-V Curves of PV Module



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