

N series

M10 TOPCon Bifacial

CETC-570-590T(GDF)/144



Product
warranty



Linear power
warranty



Better Performance



High Returns



PID Resistant



Low LCOE



570-590W

Output power

22.80%

Maximum efficiency

0~+5W

Power tolerance

Electrical Parameter(STC)

Model	570T	575T	580T	585T	590T
Maximum power (W)	570	575	580	585	590
Working point voltage (V)	42.70	42.91	43.12	43.33	43.54
Working point current (A)	13.35	13.40	13.45	13.50	13.55
Open circuit voltage (V)	50.95	51.10	51.25	51.35	51.45
Short circuit current (A)	14.32	14.39	14.46	14.50	14.54
PV module efficiency	22.07%	22.26%	22.45%	22.65%	22.84%
Standard test conditions	Am1. 5, Irradiance 1000w/m ² , Cell Temperature 25°C				

RearSide Power gain

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

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	144Cells (2*6*12)
Weight	31Kg ±5%
Junction Box	IP68, 3 diodes
Cables	4mm ² , +:300mm/-:200(Customizable)
Front plate glass	2.0mm,Ultra white AR coated semi-toughened glass
Rear plate glass	2.0mm, semi-toughened glass
Static load on the front	5400Pa
Static load on the back	2400Pa

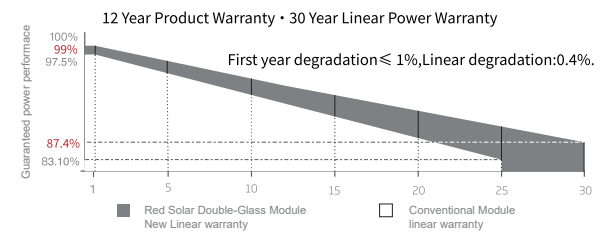
Temperature Parameter

NMOT	42± 2°C
Temperature coefficient of maximum power(Pmax)	-0.03%/°C
Temperature coefficient of open circuit voltage(Voc)	-0.25%/°C
Temperature coefficient of short circuit current(Isc)	-0.045%/°C

Maximum Ratings

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

Excellent Power Guarantee



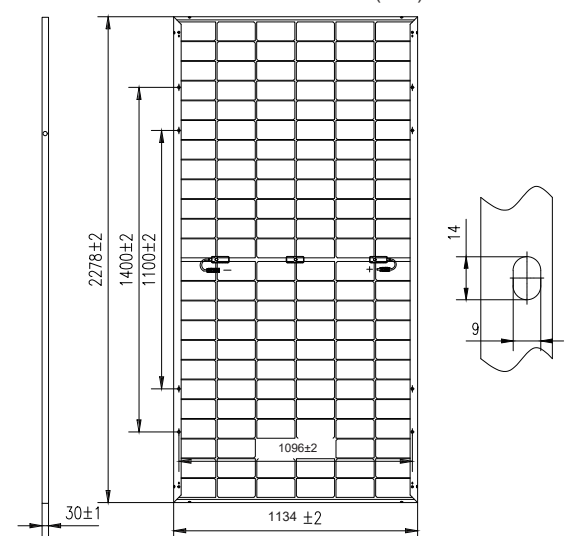
Model of PV Module

CETC-xxxT(GDF)/144

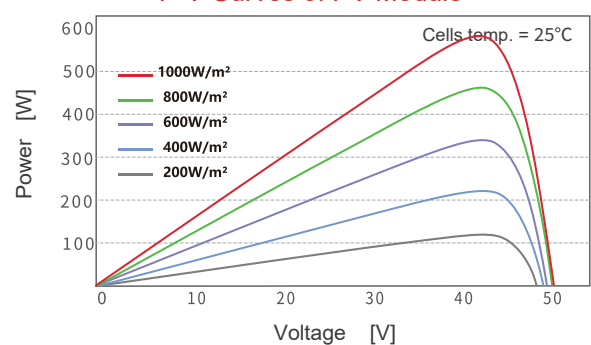
Power Range

570-590W

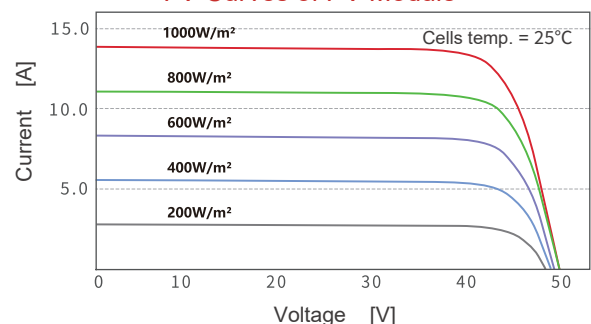
PV module dimensions (mm)



P-V Curves of PV Module



I-V Curves of PV Module



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