

REDSOLAR

N series G12 TOPCon Bifacial

CETC-310-325T(GDF)/60



Product
warranty



Linear power
warranty



Better Performance



High Returns



PID Resistant



Low LCOE



325W

Output power

22.46%

Efficiency

0~+5W

Power tolerance

Electrical Parameter(STC)

Model	310T	315T	320T	325T
Maximum power (W)	310	315	320	325
Working point voltage (V)	35.88	36.37	36.87	37.36
Working point current (A)	8.64	8.66	8.68	8.70
Open circuit voltage (V)	43.50	43.73	43.94	44.16
Short circuit current (A)	9.04	9.06	9.08	9.10
PV module efficiency	21.42%	21.77%	22.11%	22.46%
Standard test conditions	AM1.5, Irradiance 1000w/m ² , Cell Temperature 25°C			

Electrical Parameter(BNPI)

Model	310T	315T	320T	325T
Maximum power (W) ±3%	340	345	350	355
Working point current (V)	35.62	36.07	36.51	36.96
Working point current (A)	9.55	9.57	9.59	9.61
Open circuit voltage (V) ±5%	43.63	43.84	44.05	44.26
Short circuit current (A) ±5%	9.96	9.98	10.00	10.02
Standard test conditions	Irradiance: front 1000 W/m ² , rear 135W/m ² , Cell Temperature 25°C, AM=1.5			

Mechanical Parameters

Module size	1640*877*30mm
Number of solar cells	60Cells (4*15)
Weight	18.3Kg ±5%
Junction Box	IP68, 2 diodes
Cables	4mm ² , +: 300mm/-: 200(Customizable)
Front plate glass	2.0mm,Ultra white AR coated semi-toughened glass
Front glass	2.0mm, semi-toughened glass
Static load on the front	5400Pa
Static load on the back	2400Pa

Packaging&Transport

☒HQ container transport	36Pcs/box × 28box =1008Pcs
Note: Packing tray requires additional customization	

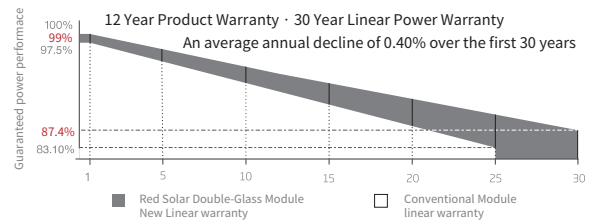
Temperature Parameter

NMOT	42±2°C
Temperature coefficient of maximum power(Pmax)	-0.31 %/°C
Temperature coefficient of open circuit voltage(Voc)	-0.26 %/°C
Temperature coefficient of short circuit current(Isc)	+0.046 %/°C

Maximum Ratings

Working temperature	-40~+85°C
Maximum system voltage	1500VDC
Maximum fuse rated current	20A

Excellent Power Guarantee



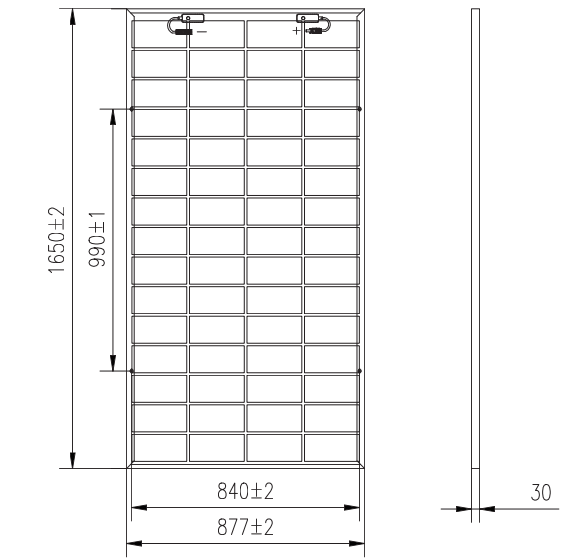
Model of PV Module

CETC-xxxT(GDF)/60

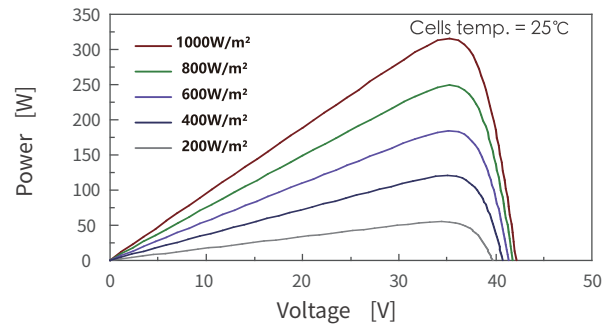
Power Range

305-325W

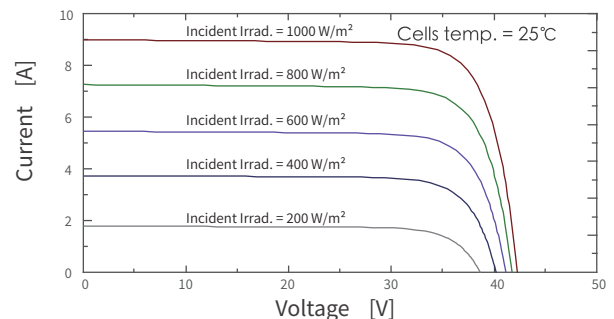
PV module dimensions (mm)



P-V Curves of PV Module



I-V Curves of PV Module



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

🌐 <https://red-solar.com/> ☎ +400 963 1580 +86 0731 8998 0608

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 (202506v01)