

REDSOLAR

N series G12R TOPCon Bifacial

CETC-600-620TR(GDF)/132



Product
warranty



Linear power
warranty



Rectangular cell design



Better Performance



High Returns



High quality



600-620W

Output power

23.0%

Maximum efficiency

0~+5W

Power tolerance

Electrical Parameter(STC)

Model	600TR	605TR	610TR	615TR	620TR
Maximum power (W)	600	605	610	615	620
Working point voltage (V)	39.37	39.54	39.71	39.88	40.05
Working point current (A)	15.24	15.30	15.36	15.42	15.48
Open circuit voltage (V)	47.49	47.58	47.67	47.76	47.85
Short circuit current (A)	16.08	16.14	16.2	16.26	16.32
PV module efficiency	22.2%	22.4%	22.6%	22.8%	23.0%
Standard test conditions	Atmospheric quality AM1.5, Irradiance 1000w/m ² Cell Temperature 25°C				

Electrical Parameter(BNPI)

Model	600TR	605TR	610TR	615TR	620TR
Maximum power (W) ±3%	670	675	680	685	690
Working point voltage (V)	39.45	39.61	39.77	39.92	40.07
Working point current	16.98	17.04	17.10	17.16	17.22
Open circuit voltage (V) ±5%	47.54	47.63	47.72	47.81	47.90
Short circuit current(A) ±5%	17.88	17.95	18.02	18.08	18.15
PV module efficiency	24.8%	25.0%	25.2%	25.4%	25.5%
Standard test conditions	Atmospheric quality AM1.5, Irradiance: front 1000 W/m ² , rear 135 W/m ² Cell Temperature 25°C,				

Mechanical Parameters

Module size	2382*1134*30mm
Number of solar cells	132Cells(2*6*11)
Weight	32.5Kg ±5%
Junction Box	IP68, 3 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
40'HQ container transport	with wooden protective strip: 36Pcs/box × 16box = 576Pcs without wooden protective strip: 36Pcs/box × 20box = 720Pcs
Note: Packing tray requires additional customization	

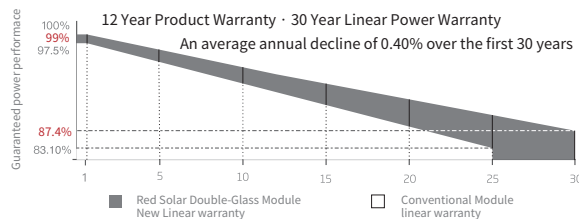
Temperature Parameter

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

Maximum Ratings

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

Excellent Power Guarantee



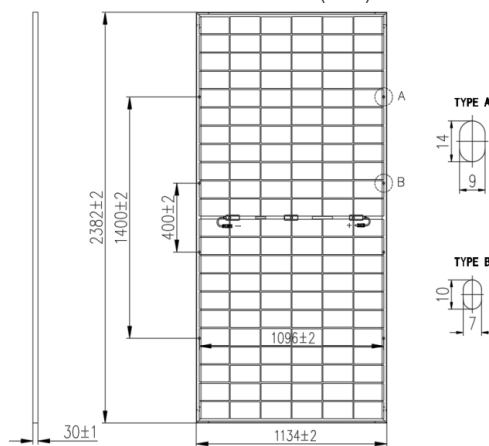
Model of PV Module

CETC-xxxTR(GDF)/132

Power Range

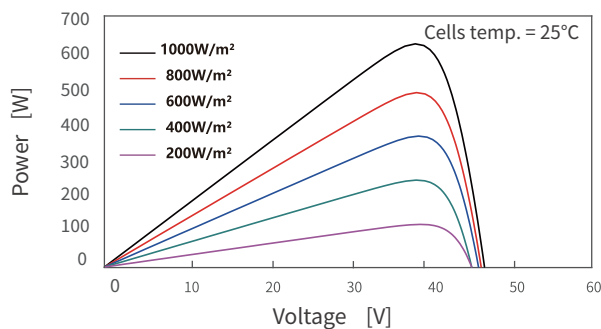
600-620W

PV module dimensions (mm)

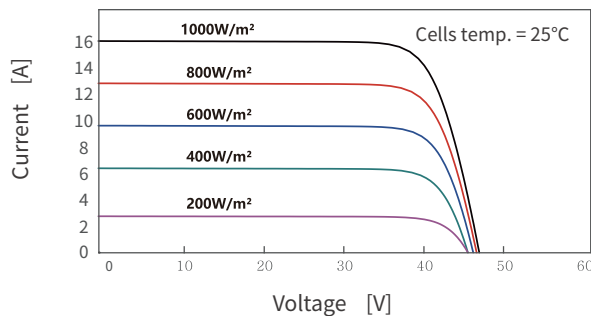


*If there are special requirements for the installation holes, please contact our technician

P-V Curves of PV Module



I-V Curves of PV Module



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