REDSOLAR

N series

G12R TOPCon Bifacial

CETC-610-630TR(GDF)/132

12 YEARS Product warranty

30 YEARS Linear power warranty

- Rectangular cell design
- Better Performance
- High Returns
- High quality



PV CYCLE ISO 9001 TÜV SÜD CE MCS

610-630W
Output power

23.3%
Maximum efficiency

0~+5W
Power tolerance

Electrical Characteristics(STC)

Model	610TR	615TR	620TR	625TR	630TR
Maximum power (W)	610	615	620	625	630
Maximum power voltage (V)	39.71	39.88	40.05	40.22	40.38
Maximum power current (A)	15.36	15.42	15.48	15.54	15.60
Open circuit voltage (V)	47.67	47.86	48.05	48.24	48.43
Short circuit current (A)	16.20	16.26	16.32	16.38	16.44
PV module efficiency	22.6%	22.8%	23.0%	23.1%	23.3%
Standard test conditions	Atmospheric quality AM1.5, Irradiance 1000w/m² Cell Temperature 25°C				

Electrical Characteristics(BNPI)

Model	610TR	615TR	620TR	625TR	630TR
Maximum power (W)	675	680	685	690	695
Maximum power voltage (V)	39.75	39.90	40.03	40.17	40.30
Maximum power current (A)	16.98	17.04	17.11	17.17	17.24
Open circuit voltage (V)	47.72	47.91	48.09	48.29	48.48
Short circuit current(A)	17.89	17.96	18.03	18.10	18.17
PV module efficiency	25.0%	25.1%	25.3%	25.5%	25.7%
Standard test conditions	Atmospheric quality AM1.5, Irradiance: front 1000 W/m², rear 135 W/m² 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	4mm², +:300mm/-:200(Customizable)
Front glass	2.0mm,Ultra white AR coated semi-toughened glass
Rear glass	2.0mm, semi-toughened glass
Maximum static load(front)	5400Pa
Maximum static load(rear)	2400Pa

Packaging Configurations

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

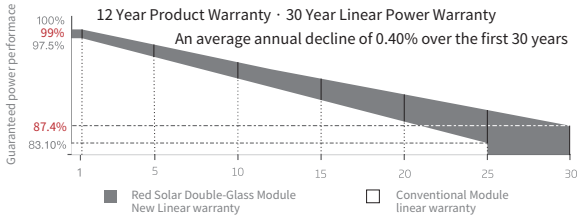
Temperature Coefficients

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

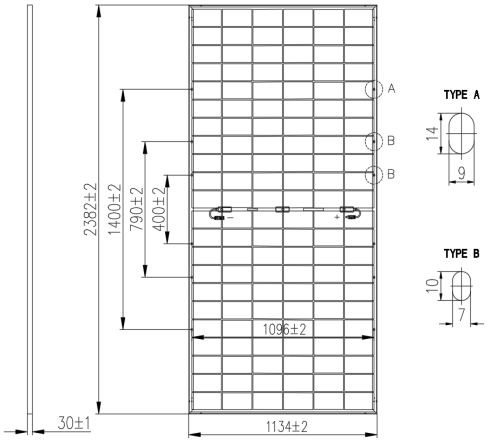
Excellent Power Guarantee



Model of PV Module
CETC-xxxTR(GDF)/132

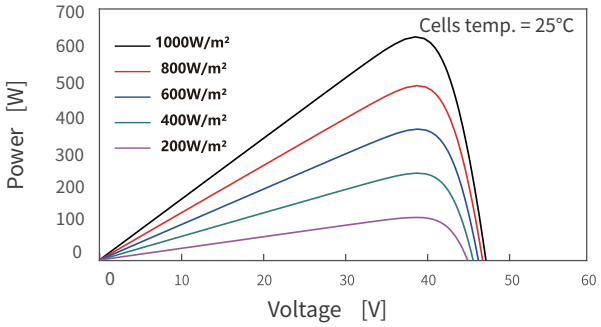
Power Range
610-630W

PV module dimensions (mm)

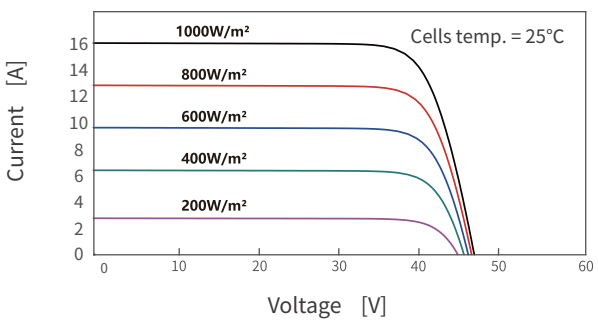


*If there are special requirements for the installation holes, please contact our technician

P-V Curves of PV Module



I-V Curves of PV Module



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