

REDSOLAR

N series M10 TOPCon Bifacial

CETC-630-655T(GDF)/156



Product warranty



Linear power warranty



PID Resistant Guarantee



Multi Busbar Technology



Better Performance



High Returns



630-655W

Output power

23.4%

Maximum efficiency

0~+5W

Power tolerance

Electrical Characteristics(STC)

Model	630T	635T	640T	645T	650T	655T
Maximum power (W)	630	635	640	645	650	655
Maximum power voltage (V)	48.50	48.70	48.89	49.09	49.32	49.55
Maximum power current (A)	12.99	13.04	13.09	13.14	13.18	13.22
Open circuit voltage (V)	57.58	57.68	57.78	57.88	57.99	58.10
Short circuit current (A)	13.59	13.65	13.71	13.77	13.83	13.89
PV module efficiency	22.53%	22.71%	22.89%	23.07%	23.25%	23.43%
Standard test conditions	Atmospheric quality Am1.5, Irradiance 1000W/m ² , Cell Temperature 25°C					

Electrical Characteristics(BNPI)

Model	630T	635T	640T	645T	650T	655T
Maximum power (W)	695	700	705	710	715	720
Maximum power voltage (V)	48.58	48.75	48.91	49.07	49.27	49.46
Maximum power current (A)	14.31	14.36	14.42	14.47	14.51	14.56
Open circuit voltage (V)	57.60	57.70	57.80	57.90	58.01	58.12
Short circuit current (A)	14.97	15.03	15.10	15.16	15.23	15.30
Standard test conditions	BNPI: Irradiance: front 1000W/m ² , rear 135W/m ² , AM=1.5, cell temperature 25°C					

Mechanical Parameters

Module size	2465*1134*30mm
Number of solar cells	156Pcs(2*6*13)
Weight	33.2Kg +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 16 box = 576 Pcs
17.5m truck transport	36 Pcs/box x 24 box = 864 Pcs
13m truck transport	36 Pcs/box x 20 box = 720 Pcs

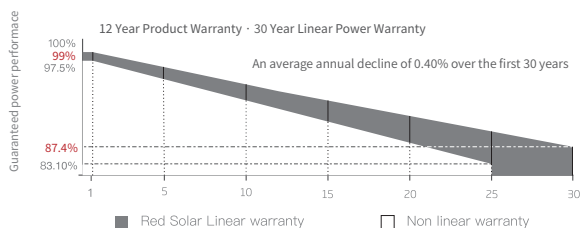
Temperature Coefficients

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

Applicaion Conditions

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

Excellent Power Guarantee



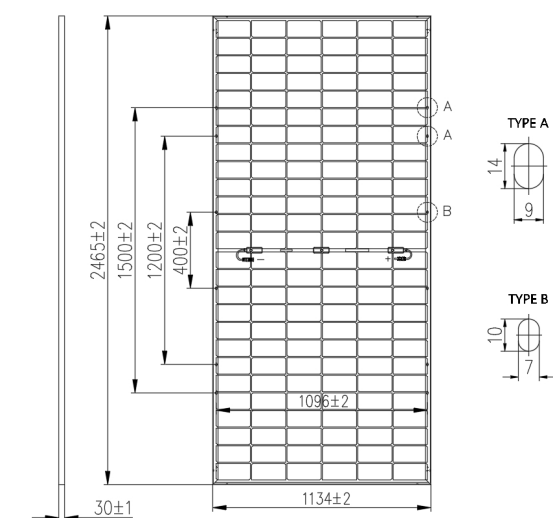
Model of PV Module

CETC-xxxT (GDF) /156

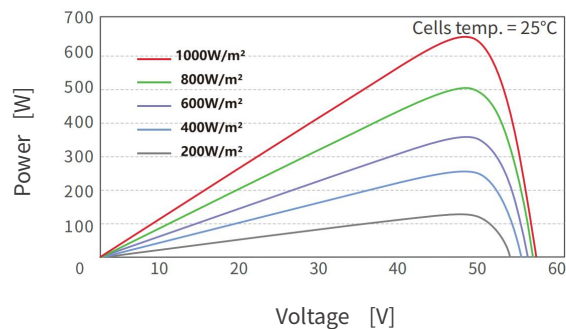
Power Range

630-655W

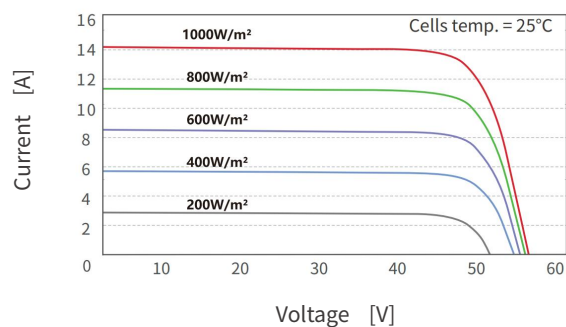
PV module dimensions (mm)



P-V Curves of PV Module



I-V Curves of PV Module



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