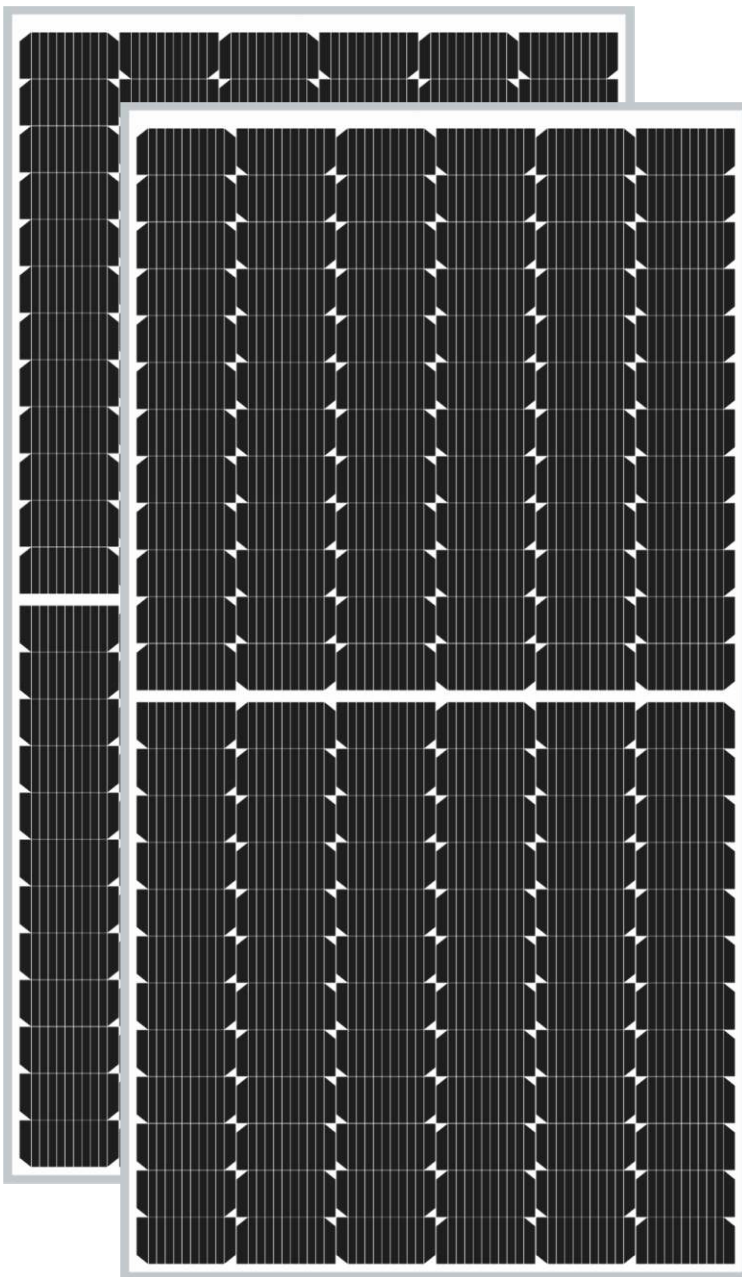


## SOLAR MODULES: 545 Wp

Ideal for large - Scale Installations  
Highly Efficient PV Module



Module  
Efficiency



M10 Mono PERC Cells



Round Ribbon for  
Better Efficiency



Works even in  
Partial Light Conditions



Minimises  
Micro Cracks



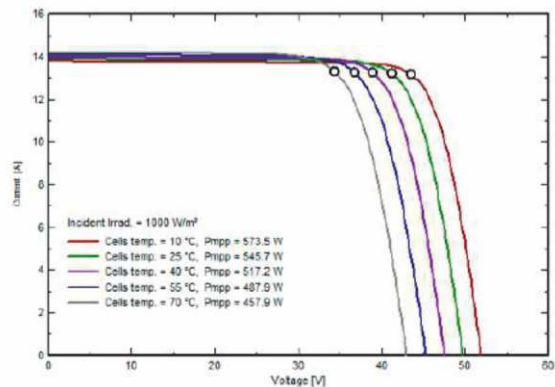
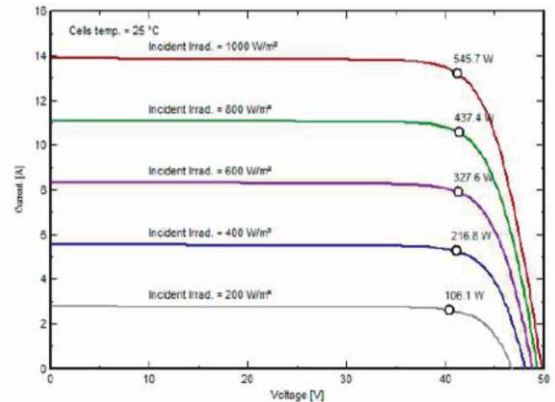
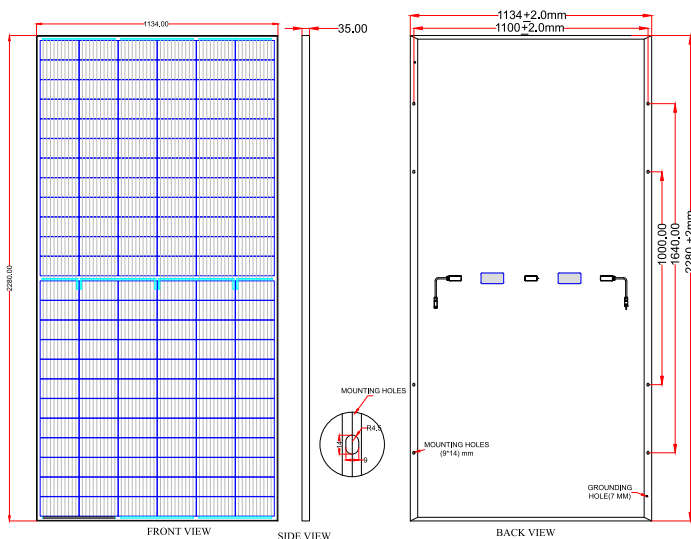
Reduce BOS &  
Installation Costs



## KIRLOSKAR SOLAR MODULES

Specifications	KS 144 Series
Model No.	KS144HCMP545
<b>Electrical Characteristics</b>	MONO PERC Half Cut Solar Cell
Peak Power Watts-Pmax	545
Power Output Tolerance - PMAX	Positive Power Tolerance
Maximum Power Voltage VMPP (V)	41.930
Short Circuit Current - ISC (A)	13.86
Open Circuit Voltage Voc (V)	49.34
Maximum Power Current IMPP (A)	13
Module Efficiency nm (%)	21.08
<b>Mechanical Characteristics</b>	
Solar Cells Per Module (Units)	144
Monocrystalline Solar Cell Size (mm)	91x182
Module Size (LxWxT) mmm	2280 x 1134 x 35
Weight	27.10 Kg
J - Box	Ip68 / Split junction box with individual by pass diodes
Connector	(Mc4) Amphenol
Glass	Low iron High Transmission AR coated tempere
Backcover	Poly vinyl Fluoride (Composite Film)
Frame	Silver Anodizes Aluminum Frame

### Mechanical Drawing of Solar Panel



#### Temperature Coefficients (TC) permission operating conditions

Tc of Open Circuit Voltage	-0.27%/°C
Tc of Open Circuit Current	-0.050%/°C
Tc of Power	-0.35%/°C
Maximum System Voltage	1500V
NOCT	45°C ± 2°C
Temperature Range	-40°C to +50°C

\*Value at Standard Testing Conditions (STC) :Temp 25 Degrees C,Irradiance 1000W/m2, AM 1.5

\*Please confirm mounting dimensions and ratings with our sales team before ordering Performance warranty

\*\* Linear power warranty for 25 years with 2.5% for 1st year, 1st year degradation and 0.75% from year 2 to year 25

Approvals IEC 61730-1&2\*, IEC 61701\*

## Kirloskar Solar Technologies Pvt. Ltd.

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