SOLAR PANEL SERIES
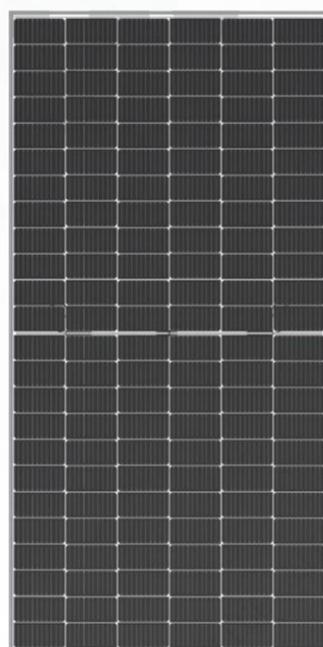
530W-550W
M10 HALF CELL MONO

Performance characteristics

144 CELL
M10 MBB MONO PERC

21.3%
MAXIMUM EFFICIENCY

0 to +5W
POSITIVE POWER TOLERANCE

TEMPERATURE RATINGS		MAXIMUN RATING	
Nominal Operating Cell Temperature(NOCT)	45±2°C	Operat onal Temperature	-40 to +85°C
Temperature Coefficient of PMAX	-0.348%/°C	Maximum System Voltage	1500V DC
Temperature Coefficient of Voe	-0.282%/°C	Max Series Fuse Rating	25A
Temperature Coefficient of Isc	+0 05%/°C	Mechanical Load	5400pa
		Wind Load	2400pa

Technical parameters

Module Type		TJ-72M530HM10		TJ-72M535HM10		TJ-72M540HM10		TJ-72M545HM10		TJ-72M550HM10	
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
MaximumPower	PMAx(W)	530	394.44	535	398.16	540	401.88	545	405.61	550	409.33
MaximumPowerVoltage	VMPP(V)	40.47	37.65	40.6	37 77	40.73	37.89	40.86	38 02	40.99	38.14
MaximumPower Current	IMPP(A)	13.1	10.48	13.18	10.54	13.26	10.6	13.34	10.67	13.42	10.73
Open Circuit Voltage	Voc(V)	49 02	46.27	49.18	46.43	49.34	46.58	49.5	46.73	49.65	46.87
Short Circuit Current	Isc(V)	13.79	11.14	13.87	11 2	13.96	11.27	14 04	11.34	14.13	11.41
Tolerance	(W)	0-+5		0-+5		0-+5		0-+5		0-+5	
Module Efficiency	(%)	20.5		20.7		20.9		21.1		21.3	

STC:Irradiance 1000 W/m^2 ,Cell Temperature 25°C,Air Mass AM1.5 according to EN 60904-3.Average efficiency reduction fo 4.5% at 200W/m^2 according to EN 60904-1

NOCT: Irradiance at 800 W/m',Ambient Temperature 20°C,Wind Speed lm/s

MECHANICAL DATA

Solar Cells	MBB Mono PERC 182x91mm
Cell Orientation	144 Cells (6 x 24)
Module Dimensions	2278 x 1133 x 35mm
Weight	28kg
Glass	High Transparency.Anti-Reflective.AR Coated and Heat Tempered Solar Glass -3.2mm
Backsheet	White
Frame	Silver Anodized Aluminium Alloy(Black Available)
J-Box	IP 68 Rated
Cables	Photovoltaic Technology Cable 4.0mm',350mm
Connector	EV02 or EV02 Compatible
PACKAGING CONFIGURATION	Modules per Box:31 Pieces Modules per 40'Container:620 Pieces