

HALF CELL

535W-555W



110 CELL
 MONOCRYSTALLINE MODULE

15 YEAR PRODUCT WARRANTY
30 YEAR LINEAR POWER WARRANTY

535W-555W
 POWER OUTPUT RANGE

21.2%
 MAXIMUM EFFICIENCY

0~+3%
 POSITIVE POWER TOLERANCE

• MAIN CHARACTERISTICS



Mismatch loss reduction for maximum efficiency



Reduced power loss by minimizing the effect of shadow shading



Competitive low light performance



BOS's reduced and increased ROI is ideal for commercial and industrial scale projects



Two EL tests to ensure the best quality



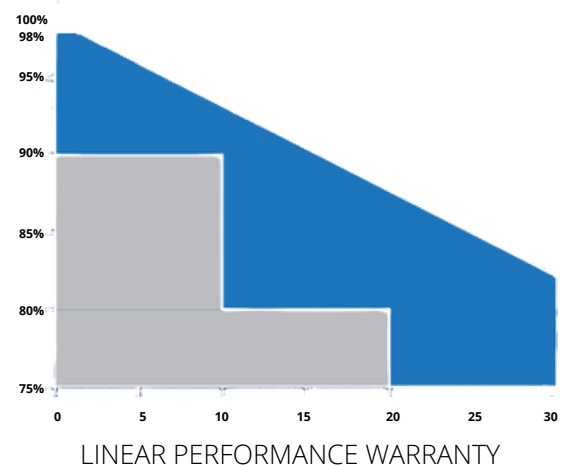
Proven reliability through PVEL's rigorous weatherproofing tests:

- Dust, acid and alkali-resistance, hail test
- 2400pa wind pressure and 5400pa snow pressure
- Anti PID

• M4 SERIES

Tide solar redefines the high-efficiency module range by combining 210mm cells with PERC and half cell technology.

The combination of innovative technology has effectively improved module efficiency and power output.

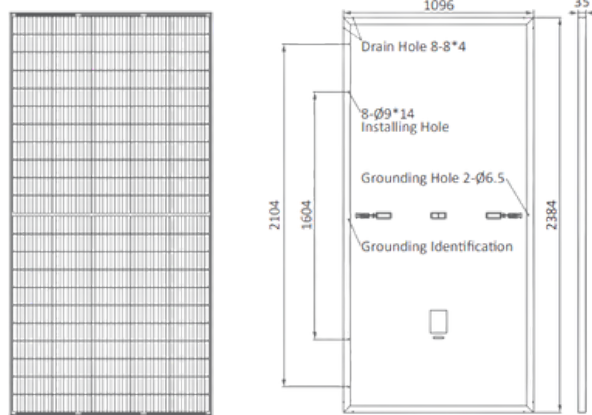


Electrical Characteristics

Component Model	TD-535MD-110HC	TD-540MD-110HC	TD-545MD-110HC	TD-550MD-110HC	TD-555MD-110HC
	STC	STC	STC	STC	STC
Maximum Power (Pmp)	535	540	545	550	555
Open Circuit Voltage (Voc)	37.3	37.5	37.7	37.9	38.1
Short Circuit Current (Isc)	18.36	18.41	18.47	18.52	18.56
Maximum Power Voltage (Vmp)	31.0	31.2	31.4	31.6	31.8
Maximum Power Current (Imp)	17.28	17.33	17.37	17.40	17.45
Component Efficiency (NM)	20.5	20.7	20.9	21.0	21.2
Power Tolerance	(0, +3%)				
Maximum System Voltage	1500V DC				
Maximum Rated Fuse Current	30A				

STC: Irradiance 1000 W/m² module temperature 25 °C AM=1.5

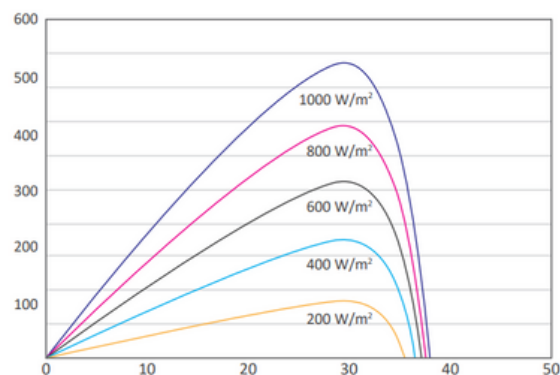
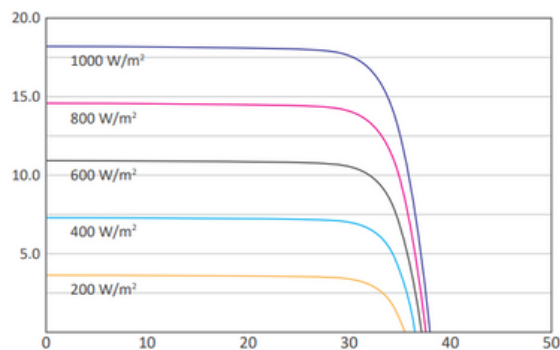
DIMENSIONS OF PV MODULE



Temperature Characteristics

Pmax Temperature Coefficient	-0.35%/°C
Voc Temperature Coefficient	-0.27%/°C
Isc Temperature Coefficient	+0.05%/°C
Working Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2°C

I-V Curve



Structural Characteristics

External Dimension	2384x1096x35mm
Weight	27.6kg
Battery	single crystal PERC210x105mm (110pieces)
Glass	3.2mm tempered coated glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm 2250mm(+)/ 350mm(-) or customized
Mechanical Load	Front side 5400 Pa/ back 2400 Pa

Packing Method

	2384x1096x35mm
Container	40'HQ
Pieces per Pallet	31
Pallets per Container	20
Pieces per Container	620