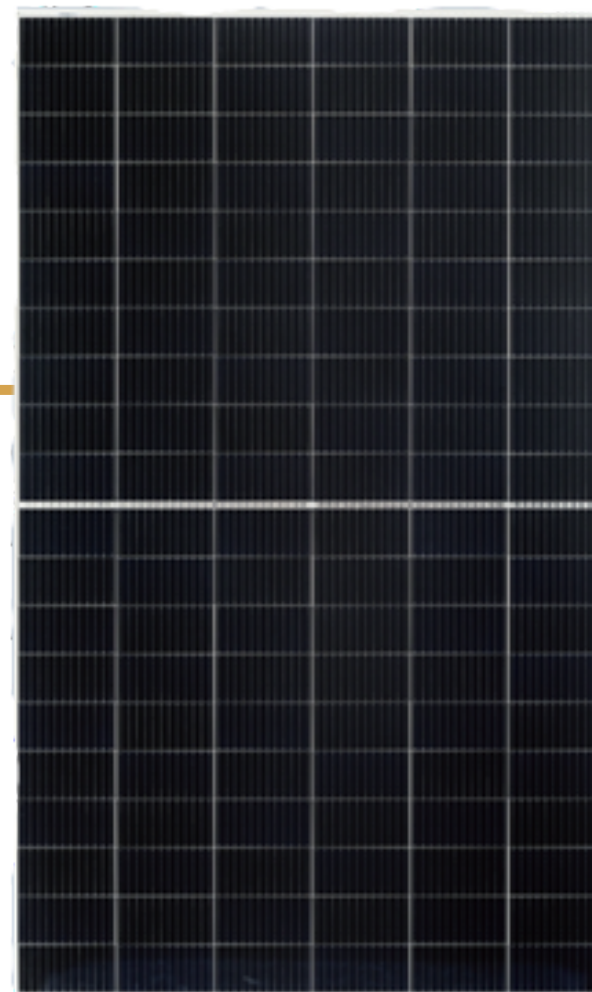


# HALF CELL

## 585W - 605W



**120 CELL**  
 MONOCRYSTALLINE MODULE

**15 YEAR PRODUCT WARRANTY**  
**30 YEAR LINEAR POWER WARRANTY**

**582W-605W**  
 POWER OUTPUT RANGE

**21.4%**  
 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



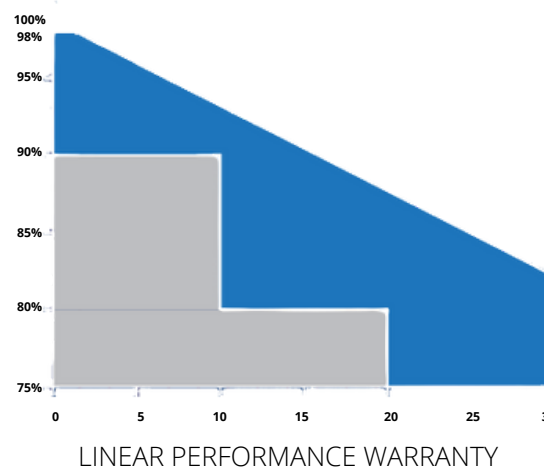
Proven reliability through PVEL's rigorous weatherproofing tests:

- 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.

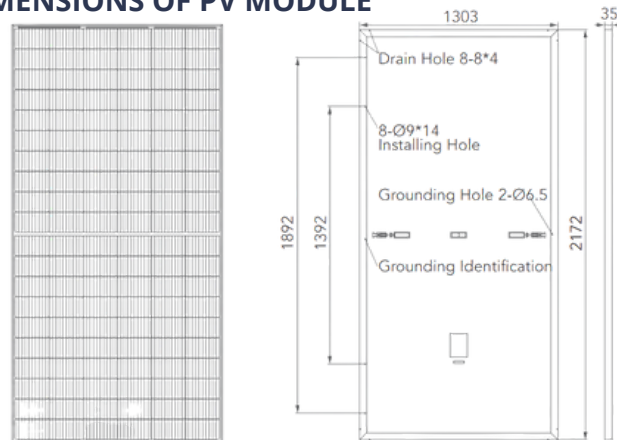


## Electrical Characteristics

Component Model	TD-585MD-120HC	TD-590MD-120HC	TD-595MD-120HC	TD-600MD-120HC	TD-605MD-120HC
	STC	STC	STC	STC	STC
Maximum Power (Pmp)	585	590	595	600	605
Open Circuit Voltage (Voc)	40.9	41.1	41.3	41.5	41.7
Short Circuit Current (Isc)	18.22	18.27	18.31	18.36	18.40
Maximum Power Voltage (Vmp)	34.1	34.3	34.5	34.7	34.9
Maximum Power Current (Imp)	17.16	17.21	17.25	17.30	17.34
Component Efficiency (NM)	20.7	20.8	21.0	21.2	21.4
Power Tolerance	(0, +3%)				
Maximum System Voltage	1500V DC				
Maximum Rated Fuse Current	30A				

STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25 °C AM=1.5

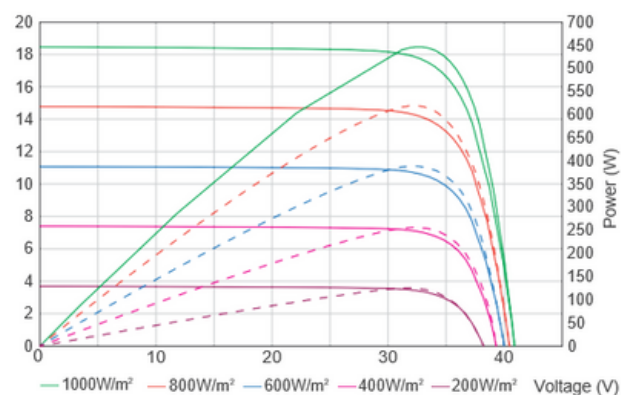
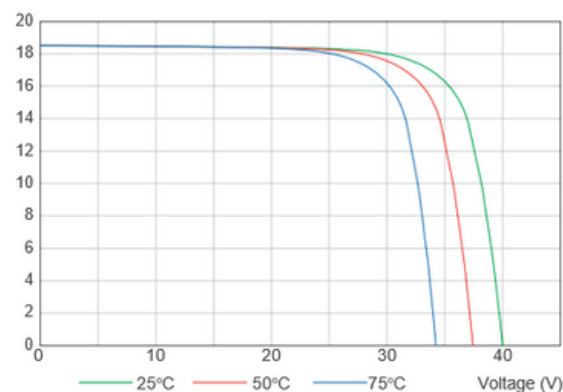
## DIMENSIONS OF PV MODULE



## 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	2172x1303x35mm
Weight	30 kg
Battery	single crystal PERC210x105mm (120pieces)
Glass	3.2mm coating tempered 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

	2172x1303x35mm
Container	40'HQ
Pieces per Pallet	31
Pallets per Container	17
Pieces per Container	527