

144 CELL
MONOCRYSTALLINE MODULE

390W-410W
POWER OUTPUT RANGE

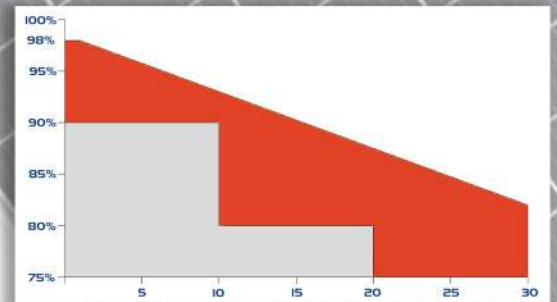
20.38%
MAXIMUM EFFICIENCY

0 to +5W
POSITIVE POWER TOLERANCE

LINEAR PERFORMANCE WARRANTY
15YEAR PRODUCT WARRANTY
30YEAR LINEAR POWER WARRANTY

MI Series

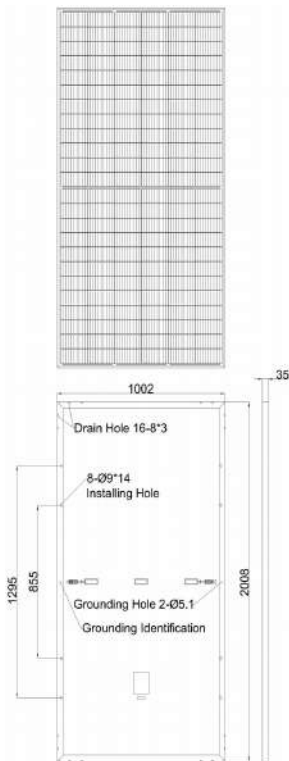
Tide solar redefines the high efficiency module range by combining 158.75mm cells with PERC and half cell technology. The combination of innovative technology has effectively improved module efficiency and power output.



Main Characteristics

- Mismatch loss reduction for maximum efficiency
- Reduced power loss by minimising the effect of shadow shading
- Competitive low light performance
- Two EL tests to ensure the best quality
- BOS's reduced and increased ROI is ideal for commercial and industrial scale projects
- Proven reliability through PVEL's rigorous weatherproofing tests.
 - ※ Dust, acid and alkali resistance, hail test;
 - ※ 2400pa wind pressure and 5400pa snow pressure
 - ※ Anti PID

DIMENSIONS OF PV MODULE



Electrical Characteristics

Component Model	TD-390M-144HC	TD-395M-144HC	TD-400M-144HC	TD-405M-144HC	TD-410M-144HC
	STC	STC	STC	STC	STC
Maximum Power (PMP)	390	395	400	405	410
Open Circuit Voltage (VOC)	48.5	48.8	49.1	49.4	49.6
Short Circuit Current (ISC)	10.0	10.05	10.1	10.15	10.23
Maximum Power Voltage (VMP)	41.0	41.3	41.6	41.9	42.1
Maximum Power Current (IMP)	9.51	9.57	9.62	9.67	9.74
Component Efficiency (η_p)	19.38	19.63	19.88	20.13	20.38
Power Tolerance	(0, +5)				
Maximum System Voltage	1500V DC				
Maximum Rated Fuse Current	20 A				

Temperature Characteristics

Maximum Power Temperature Coefficient	-0.35 %/°C
Temperature Coefficient of Open Circuit Voltage	-0.27 %/°C
Temperature Coefficient of Short Circuit Current	+0.05 %/°C
Working Temperature	-40 ~ +85 °C
Nominal Operating Cell Temperature (NOCT)	45 ± 2 °C

Structural Characteristics

Module Size	2008x1002x35mm
Weight	22.0kg
Battery	Single crystal PERC158.75x79.375mm (144 pieces)
Glass	3.2mm tempered coated glass, low iron
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Output Lead	4.0mm 2250mm (+) / 350mm (-) or customized
Mechanical Load	Front 5400pa / back 2400pa

Packing Method

	2008 × 1002 × 35mm	
Container	20' GP	40' HQ
Quantity per Pallet	31	31+2*
Number of Pallets per Container	10	22
Quantity per Container	310	726

I - V Curve

