

CED CELL

535W-555W

144 CELL

MONOCRYSTALLINE MODULE

535W-555W

POWER OUTPUT RANGE

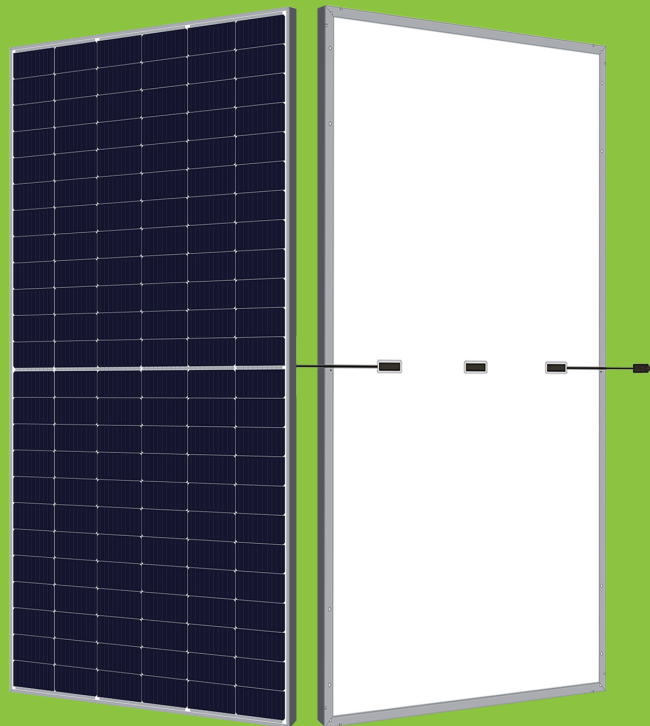
21.48%

MAXIMUM EFFICIENCY

0 to +3%

POSITIVE POWER TOLERANCE

15 YEAR PROUDUCT WARRANTY
30 YEAR LINEAR POWER WARRANTY



Main Characteristics



Mismatch loss reduction for maximum efficiency



Competitive low light performance



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



Reduced power loss by minimizing the effect of shadow shading



Two EL tests to ensure the best quality



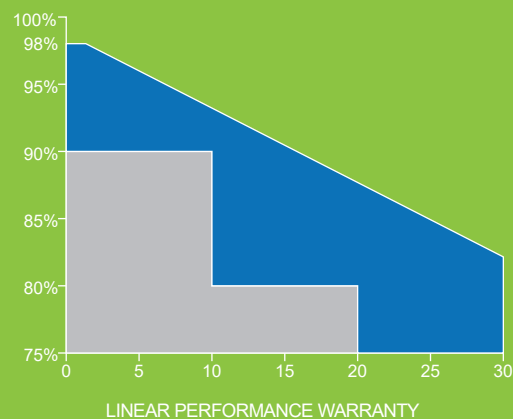
Proven reliability through PVEL's rigorous weatherproofing tests:

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

M3 Series

Tide solar redefines the high efficiency module range by combining 182mm cells with PERC and half cell technology.

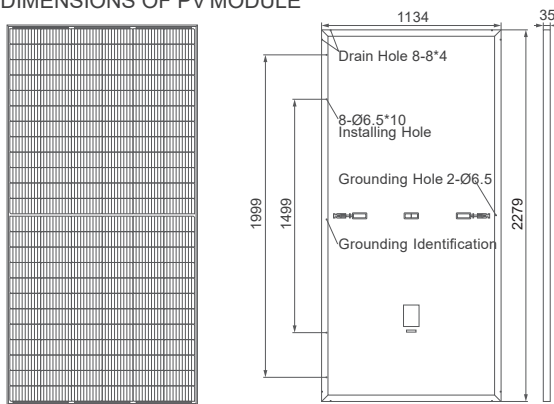
The combination of innovative technology has effectively improved module efficiency and power output.



Component Model	CED-535MC-144HC	CED-540MC-144HC	CED-545MC-144HC	CED-550MC-144HC	CED-555MC-144HC
Maximum Power (PMP)	STC	STC	STC	STC	STC
	535	540	545	550	555
Open Circuit Voltage (VOC)	49.2	49.4	49.6	49.8	50.0
Short Circuit Current (ISC)	13.81	13.84	13.94	13.98	14.05
Maximum Power Voltage (VMP)	41.65	41.82	41.99	42.15	42.32
Maximum Power Current (IMP)	12.85	12.92	12.98	13.05	13.12
Component Efficiency (η_c)	20.76	20.95	21.14	21.28	21.48
Power Tolerance	(0, +3%)				
Maximum System Voltage	1500V DC				
Maximum Rated Fuse Current	25 A				

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

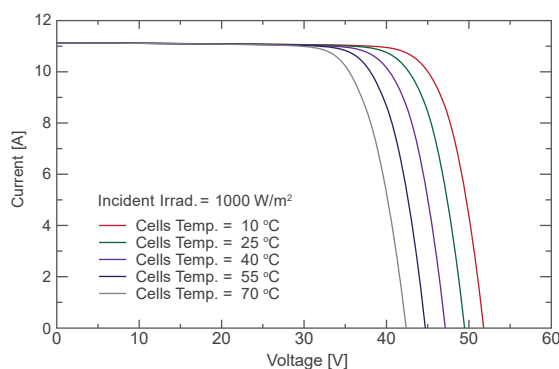
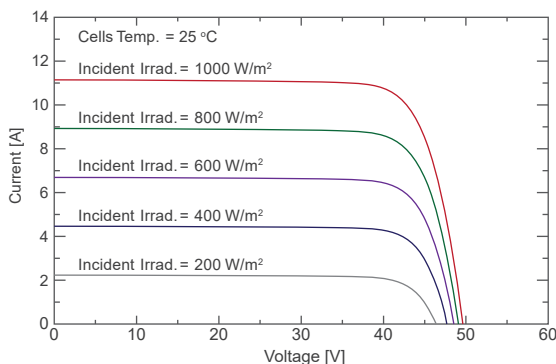
DIMENSIONS OF PV MODULE



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

I-V Curve



Structural Characteristics

Module Size	2279x1134x35mm
Weight	26.5kg
Battery	single crystal PERC182x91mm (144pieces)
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

Module Size	2279x1134x35mm
Container	40' HQ
Quantity Per Pallet	31
Number Of Pallets Per Container	20
Quantity Per Container	620