

HALF CELL

LS530BF - LS550BF

144 CELL

MONOCRYSTALLINE MODULE

530W-550W

POWER OUTPUT RANGE

21.28%

MAXIMUM EFFICIENCY

0 to +3%

POSITIVE POWER TOLERANCE

25 YEAR WARRANTY

Main Characteristics



Mismatch loss reduction for maximum efficiency



Reduced power loss by minimizing the effect of shadow shading



Competitive low light performance



Two EL tests to ensure the best quality

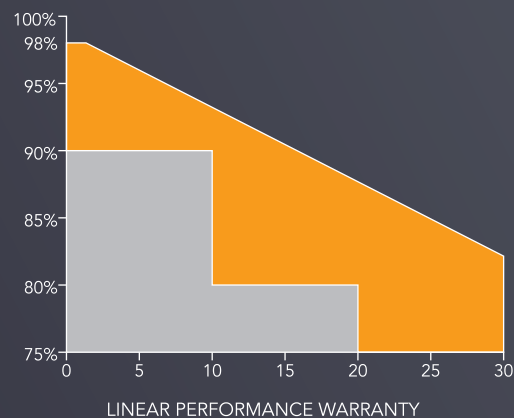
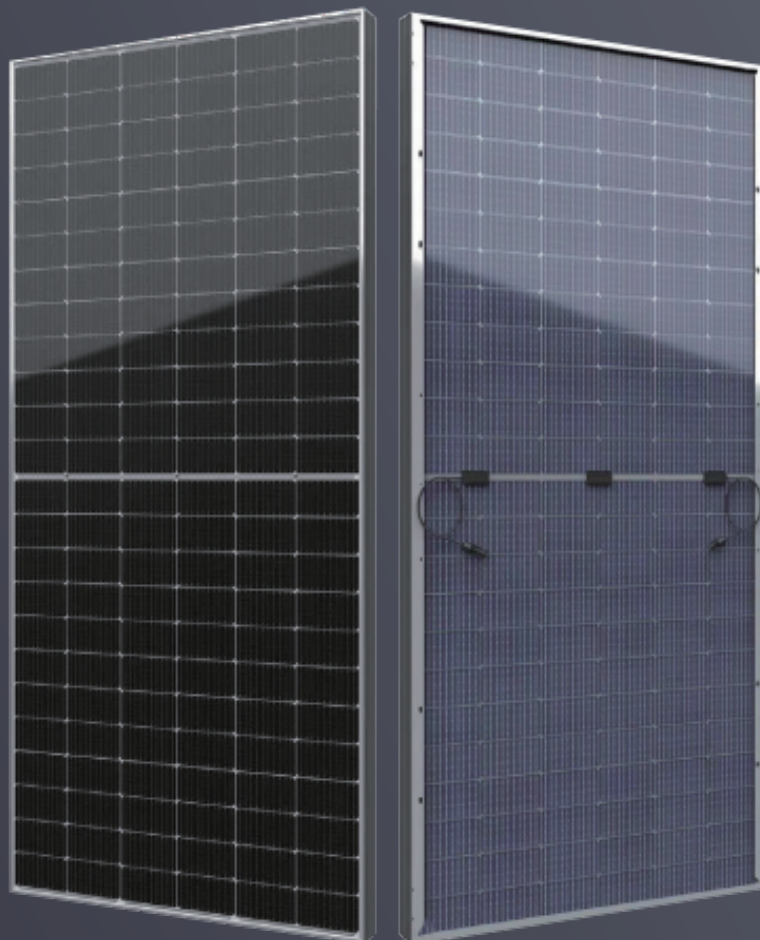


BOS's reduced and increased ROI is ideal for commercial and industrial scale projects



Proven reliability through PVEL's rigorous weatherproofing tests:

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

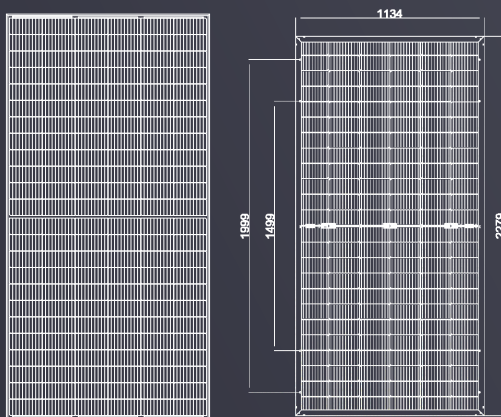


Electrical Characteristics

Component Model	LS530BF	LS535BF	LS540BF	LS545BF	LS550BF
	STC	STC	STC	STC	STC
Maximum Power (PMP)	530	535	540	545	550
Open Circuit Voltage (VOC)	49.3	49.4	49.5	49.6	49.7
Short Circuit Current (ISC)	13.6	13.70	13.81	13.92	14.02
Maximum Power Voltage (VMP)	41.03	41.29	41.55	41.81	42.07
Maximum Power Current (IMP)	12.92	12.96	13.00	13.04	13.08
Component Efficiency (η_c)	20.56	20.76	20.95	21.14	21.28
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

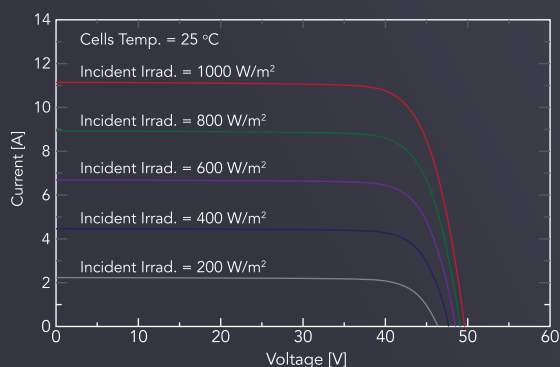
DIMENSIONS OF PV MODULE



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	90x45x1.5 in (2279x1134x35 mm)
Weight	59.3 lbs (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	90x45x1.5in (2279x1134x35 mm)
Container	40' HQ
Quantity Per Pallet	31
Number Of Pallets Per Container	20
Quantity Per Container	620

