

HALF CELL

LS550BL

144 CELL

MONOCRYSTALLINE MODULE

550W

POWER OUTPUT RANGE

21.28%

MAXIMUM EFFICIENCY

0 to +3%

POSITIVE POWER TOLERANCE

**DESIGNED IN USA
MADE IN ARMENIA**

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

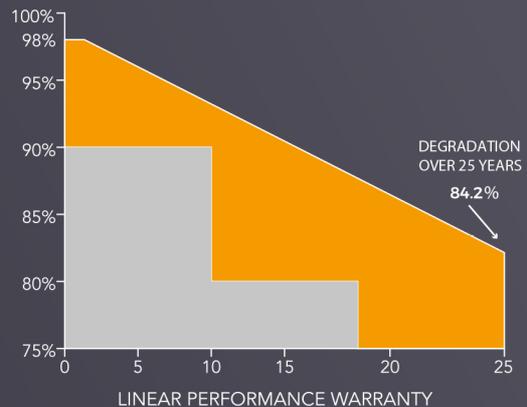


BOS's reduced and increased ROI is ideal for commercial and industrial scale projects



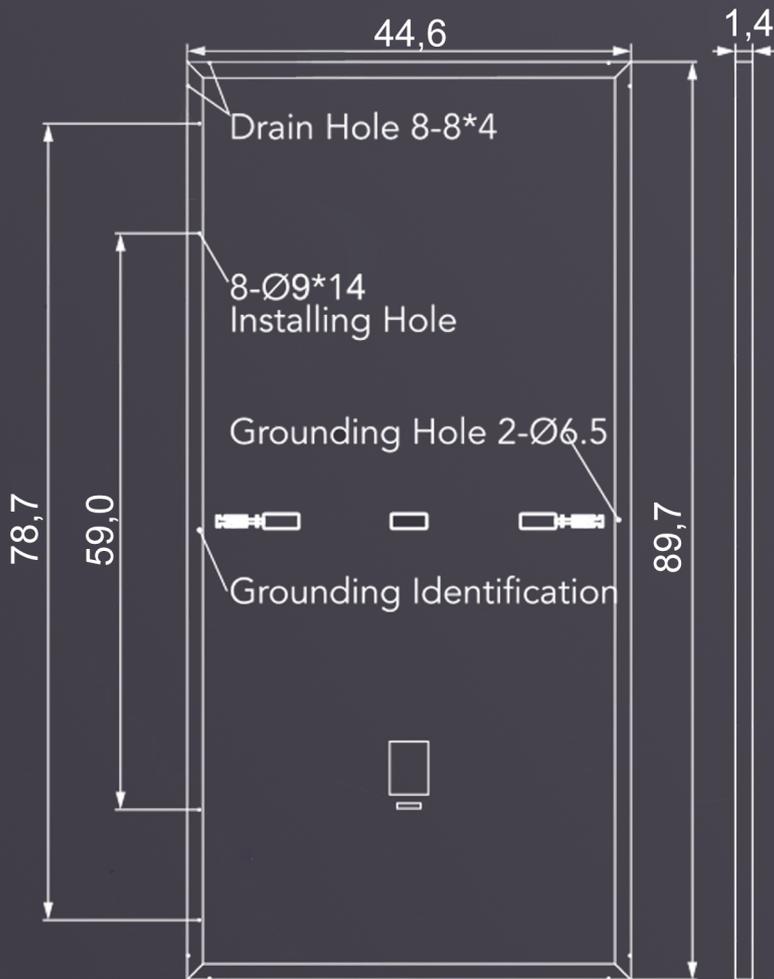
Proven reliability through PVEL's rigorous weatherproofing tests:

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



QUALIFICATIONS AND CERTIFICATES

UL/IEC61215, UL/IEC61730
ANTI-PID IEC TS 62804-1:2015
ISO9001, ISO14001, ISO45001



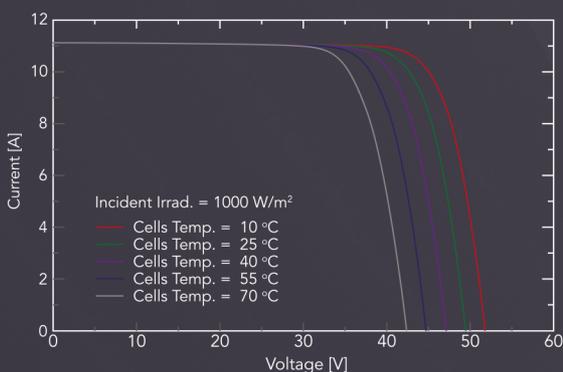
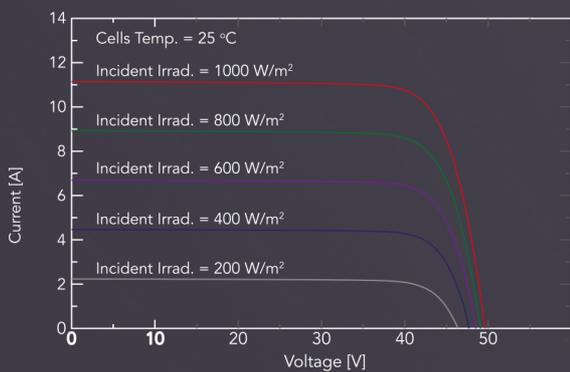
Electrical Characteristics

Component Model	LS550BL
Maximum power (PMP)	550 (STC)
Open Circuit Voltage (VOC)	49.7
Short Circuit Current (ISC)	14.02
Maximum Power Voltage (VMP)	42.07
Maximum Power Current (IMP)	13.08
Component Efficiency(η)	21.28
Power Tolerance	(0, +3%)
Maximum System Voltage	1500V DC
Maximum Rated Fuse Current	35 A
STC: Irradiance 1000W/m ² module temperature 25°C AM=1.5	

Temperature Characteristics

Maximum Power Temperature Coefficient	-0,35% / °C
Temperature Coefficient of VOC	-0,27% / °C
Temperature Coefficient of ISC	+0,05% / °C
Working Temperature	-40~+85°C
Nominal Operating Cell Temperature (NOCT)	45±2°C

I-V Curve



Structural Characteristics

Model Size	89,7x44,6x1,4in
Weight	26,5kg
Battery	single crystal PERC 7,2x3,6in (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 2400 Pa

Packing Method

Module Size	89,7x44,6x1,4in
Container	40'HQ
Quantity per pallet	30
Number of pallets per container	20
Quantity per container	600