

## HALF CELL

# LS530-550BL

**144 CELLS**

MONOCRYSTALLINE MODULE

**530W-550W**

POWER OUTPUT RANGE

**21.28%**

MAXIMUM EFFICIENCY

**0 to ±3%**

POSITIVE POWER TOLERANCE

DESIGNED IN USA  
MADE IN ARMENIA

## 30 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

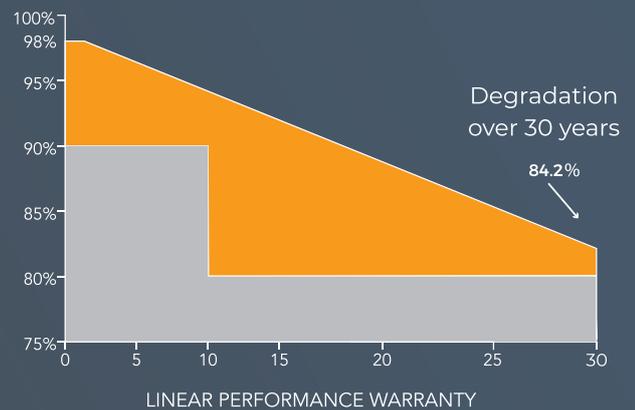
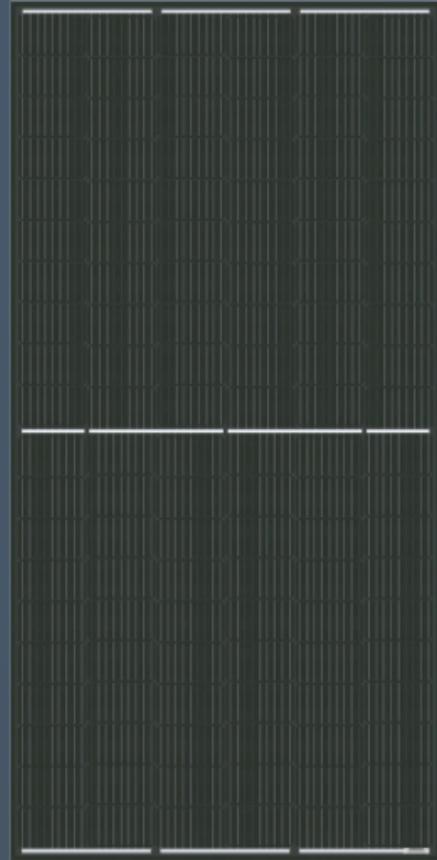


BOS's reduced and increased ROI is ideal for commercial and industrial scale projects



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

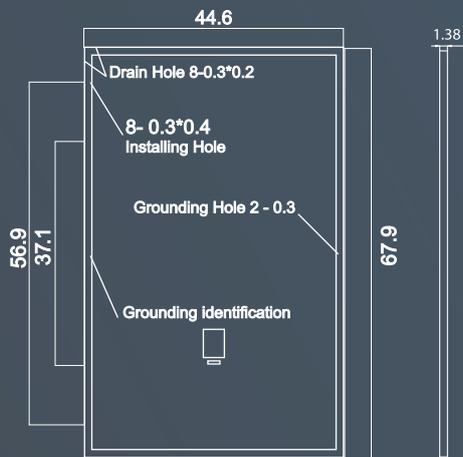


UL/IEC61215, UL/IEC61730  
ANTI-PID IEC TS 62804-1:2015  
ISO9001, ISO14001, ISO45001



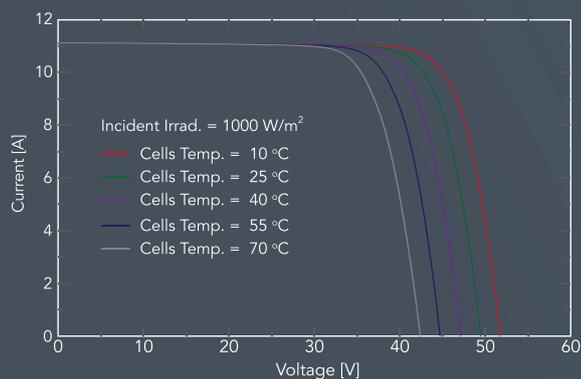
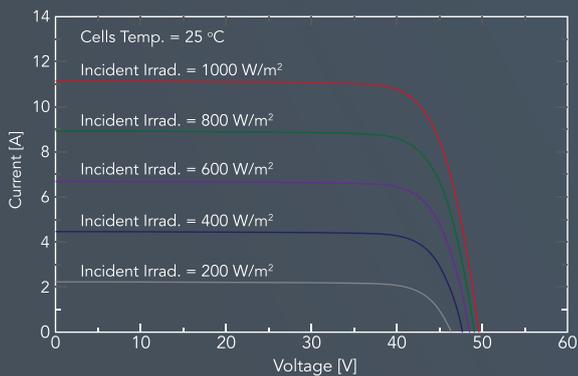
# Electrical Characteristics

Component Model	LS530BL	LS535BL	LS540BL	LS545BL	LS550BL
	STC	STC	STC	STC	STC
Maximum Power (Pmax)	530W	535W	540W	545W	550W
Module Efficiency	20.56%	20.76%	20.95%	21.14%	21.28%
Open Circuit Voltage (Voc)	49.30V	49.40V	49.50V	49.60V	49.70V
Short Circuit Current (Isc)	13.60A	13.70A	13.81A	13.92A	14.02A
Maximum Power Voltage (Vmp)	41.03V	41.29V	41.55V	41.81V	42.07V
Maximum Power Current (Imp)	12.92A	12.96A	13A	13.04A	13.08A
Power Tolerance	±3%				
Maximum System Voltage	1500V				
Maximum Rated Fuse Current	35A				
STC: Irradiance	1000 W/m <sup>2</sup>				
Module Temperature	25 °C				



## Temperature Characteristics

Maximum Power Temperature Coefficient (TC Pmax)	-0.35 % / °C
Temperature Coefficient of Open Circuit Voltage (TC Voc)	-0.27 % / °C
Temperature Coefficient of Short Circuit Current (TC Isc)	0.05 % / °C
Working Temperature	-40 ~ +85 °C
Nominal Operating Cell Temperature (NOCT)	46 ± 2 °C



## Structural Characteristics

Module Size	89.72 x 44.64 x 1.38 in
Weight	58.42lbs
Cell type	MONO PERC 7.17 x 3.58in (144 pieces)
Class	0.125in tempered Ar coated
Frame	Black anodized aluminum alloy
Junction Box	IP68, 3 diodes
Mechanical Load	front 5400Pa / back 2400Pa
Connector	MC4
Wire Type	compatible PV wire
Fire Performance	Type 1
Protection Class	Class II (Classified as per IEC 61140)

## Packing Method

Container	40' HQ
Quantity Per Pallet	30
Number of Pallets Per Container	20
Quantity Per Container	600