

HALF CELL

LS390-LS410BL

108 CELL

MONOCRYSTALLINE MODULE

390W-410W

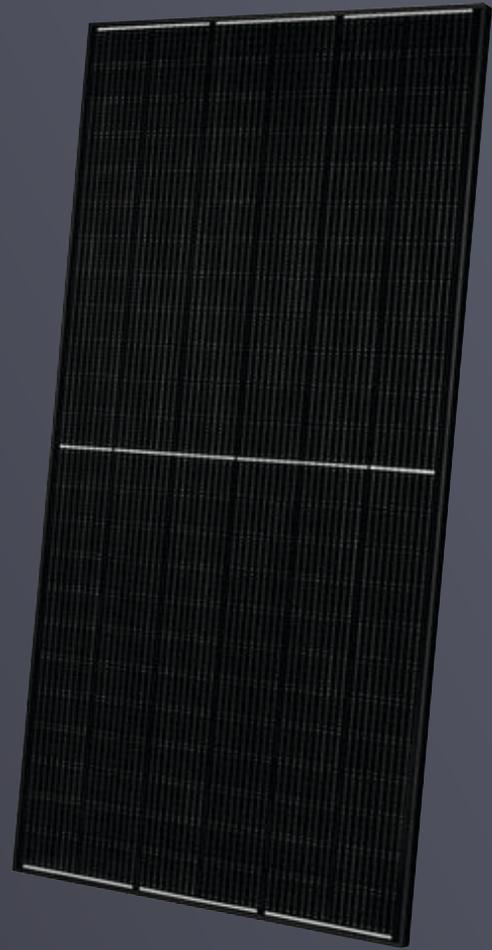
POWER OUTPUT RANGE

20.97%

MAXIMUM EFFICIENCY

0 ± 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

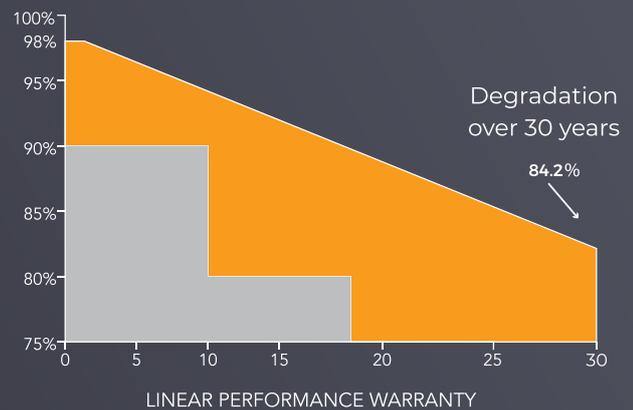


BOS's reduced and increased ROI is ideal for commercial and industrial scale projects



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

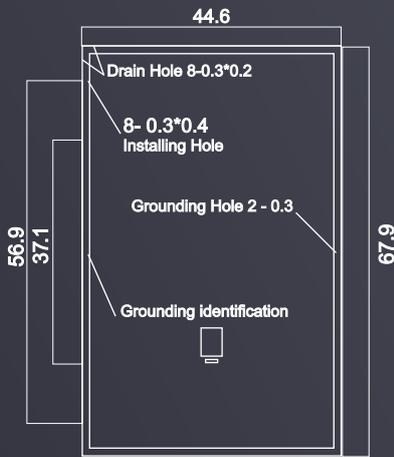


UL/IEC61215, UL/IEC61730
ANTI-PID IEC TS 62804-1:2015
ISO9001, ISO14001, ISO45001



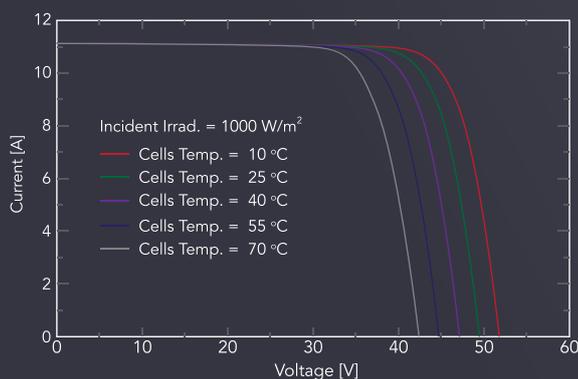
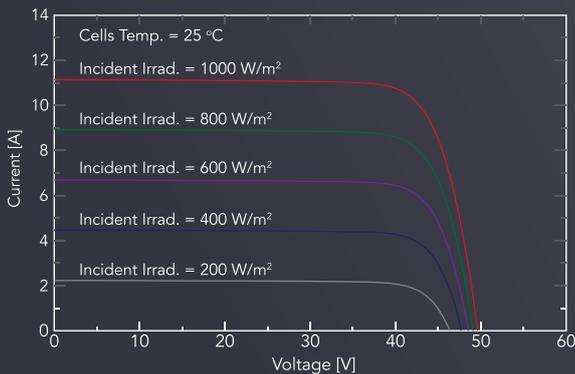
Electrical Characteristics

Component Model	LS390BL	LS395BL	LS400BL	LS405BL	LS410BL
Maximum Power (Pmax)	STC 390W	STC 395W	STC 400W	STC 405W	STC 410W
Module Efficiency	19.95%	20.20%	20.46%	20.72%	20.97%
Open Circuit Voltage (Voc)	36.7V	36.9V	37.1V	37.3V	37.5V
Short Circuit Current (Isc)	13.59A	13.66A	13.73A	13.81A	13.88A
Maximum Power Voltage (Vmp)	30.53V	30.70V	30.87V	31.03V	31.20V
Maximum Power Current (Imp)	12.78A	12.87A	12.96A	13.06A	13.15A
Power Tolerance	±3%				
Maximum System Voltage	1500V				
Maximum Rated Fuse Current	35A				
STC: Irradiance	1000 W/m ²				
Module Temperature	25 °C				



Temperature Characteristics

Maximum Power Temperature Coefficient (TC Pmax)	-0.37% / °C
Temperature Coefficient of Open Circuit Voltage (TC Voc)	-0.28 % / °C
Temperature Coefficient of Short Circuit Current (TC Isc)	0.04 % / °C
Working Temperature	-40 ~ +85 °C
Nominal Operating Cell Temperature (NOCT)	46 ± 2 °C



Structural Characteristics

Module Size	67.9x44.6x1.4in
Weight	46.2lbs (21 Kg)
Cell type	Mono PERC M10 7.1x3.5 in (108 pieces)
Class	3.2mm 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	660