

LS620-640TC

132 CELLS

MONOCRYSTALLINE MODULE

620-640W

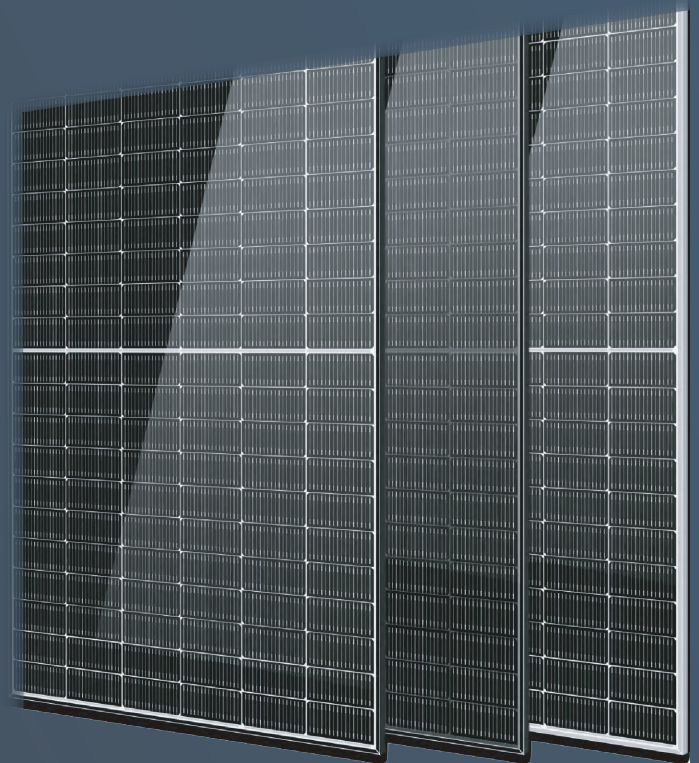
POWER OUTPUT RANGE

23.7%

MAXIMUM EFFICIENCY

0 to $\pm 3\%$

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

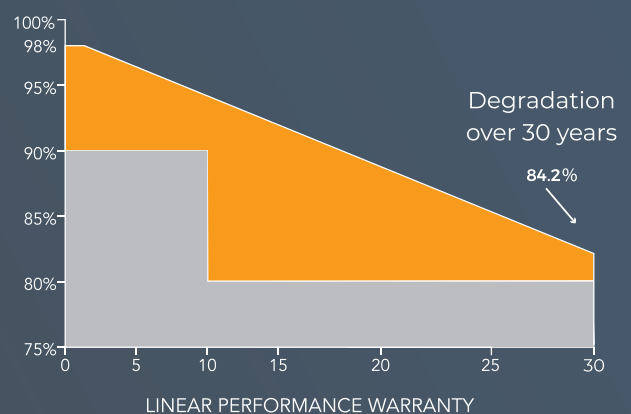


BOS's reduced and increased ROI is ideal for commercial and industrial scale projects



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

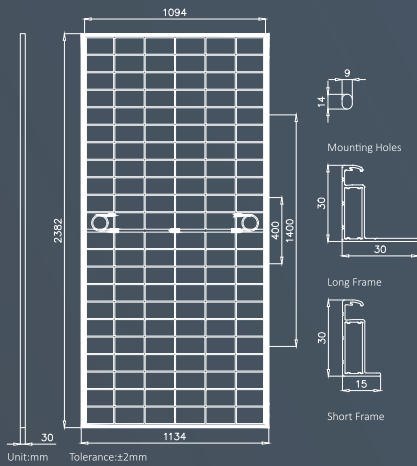


UL/IEC61215, UL/IEC61730
ANTI-PID IEC TS 62804-1:2015
ISO9001, ISO14001, ISO45001



Electrical Characteristics

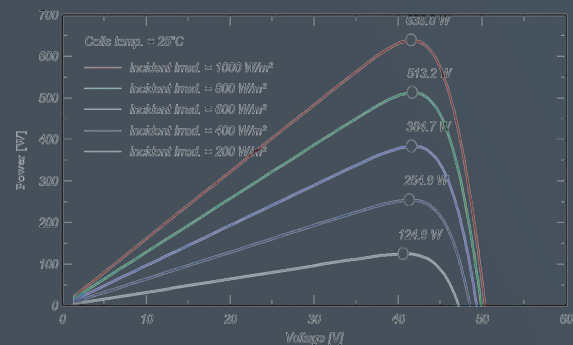
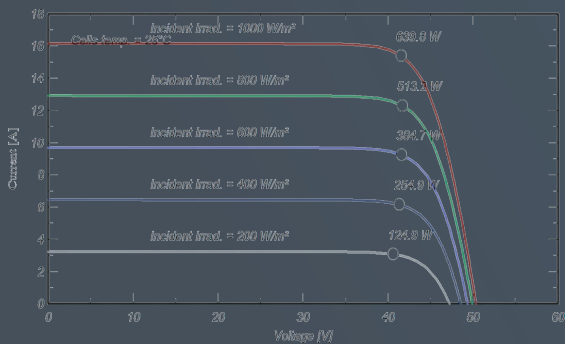
Component Model	LS620TC	LS625TC	LS630TC	LS635TC	LS640TC
	STC	STC	STC	STC	STC
Maximum Power (Pmax)	620W	625W	630W	635W	640W
Module Efficiency	22.9%	23.1%	23.3%	23.5%	23.7%
Open Circuit Voltage (Voc)	49.40V	49.63V	49.87V	50.11V	50.35V
Short Circuit Current (Isc)	15.95A	16.00A	16.05A	16.10A	16.15A
Maximum Power Voltage (Vmp)	41.05V	41.25V	41.45V	41.65V	41.84V
Maximum Power Current (Imp)	15.10A	15.15A	15.20A	15.25A	15.29A
Power Tolerance	0, ±3%				
Maximum System Voltage	1500V				
Maximum Rated Fuse Current	25A				
STC: Irradiance	1000 W/m ²				
Module Temperature	25 °C				



Temperature Characteristics

Maximum Power Temperature Coefficient (TC Pmax)	-0.28 % / °C
Temperature Coefficient of Open Circuit Voltage (TC Voc)	-0.23 % / °C
Temperature Coefficient of Short Circuit Current (TC Isc)	0.04 % / °C
Working Temperature	-40 ~ +85 °C
Nominal Operating Cell Temperature (NOCT)	45 ± 2 °C

Structural Characteristics



Module Size	2382 x 1134 x 30 mm
Weight	33.7kg
Cell type	N-type SMBB half-cell
Class	2mm + 2mm Dual-Glass, AR-coated heat-strengthened glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Mechanical Load	front 5400Pa / back 2400Pa

Packing Method

Container	40'HC
Quantity Per Pallet	36
Number of Pallets Per Container	20
Quantity Per Container	720