



Monocrystalline Photovoltaic Module

LEPV 144 BIFACIAL

STANDARD 550Wp

QUALITY



144 cells
Half-Cut monocrystalline



Bifacial PERC
Generates solar energy from both sides



Load endurance
Front load / Back load



Translucent
Light can pass through it



+5W
Positive power tolerance



Efficiency
Over 21% efficiency

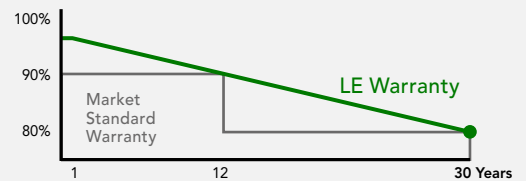


*** EUROPEAN QUALITY ***

WARRANTIES

30 YEARS PRODUCT WARRANTY

30 YEARS PERFORMANCE WARRANTY
Linear Warranty



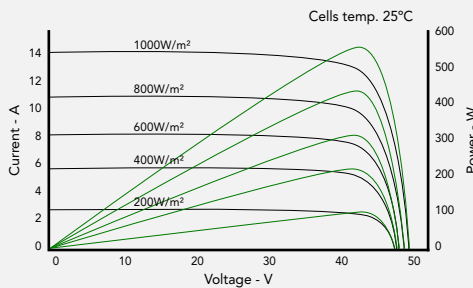
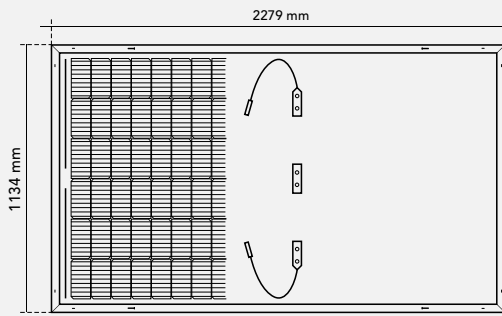
CERTIFICATES





TECHNICAL FEATURES

LEPV 144 BIFACIAL 550W



FRAME

Silver anodized aluminium

Robust and resistant to corrosion

GLASS

Back Glass | 2 mm heat strengthened glass

Front Glass | 2mm heat strengthened glass

Deeply textured glass to reduce glare

Deflection: SLS load L/40 | ULS load L/30

JUNCTION BOX

Sealed, robust and wide for heat dissipation

IP67/IP68 according to IEC 60529

Diodes by-pass built-in 3

Connector MC4 compatible

Cables 1200 mm ($\pm 20\%$) length and 4 mm² section

FRONTAL

Textured, extra-clear with low iron content

Frontal load (snow) 5400 Pa | Back load (wind) 2400 Pa

SOLAR CELLS

144 bi-facial cells monocrystalline

WEIGHT AND DIMENSIONS

33 Kg | 2279 x 1134 x 35 mm ($\pm 1\%$) | Pack: 620 pcs-truck

ELECTRIC DATA

BLACK - STANDARD		LEPV 550	
STC: 1000 W/m ² , module temperature 25°C, AM 1,5			
Nominal power. Pmax		550 W	
Max. power tolerance. Pmax		0 / +5 W	
Area of the module		2,58 m ²	
Module efficiency		21,28 %	
Isc		14,30 A	
Voc		49,32 V	
Imp		13,27 A	
Vmp		41,45 V	
NOCT: 800 W/m ² , ambient temperature 20°C, AM 1,5			
Nominal power. Pmax		418,94 W	
Isc		11,52 A	
Voc		47,06 V	
Imp		10,69 A	
Vmp		39,19 V	
Operating parameters. Temperature coefficients		Electrical characteristics with 10% rear side power gain	
Maximum voltage	1500 V	Model	LEPV 550
Maximum series fuse rating. Ir	20 A	Pmax	605,00 W
α Isc	0,04 % / °C	Isc	15,67 A
β Voc	- 0,27 % / °C	Voc	49,50 V
γ Pmax	- 0,34 % / °C	Imp	14,54 A
Temperature range	- 40°C ~ + 85 °C	Vmp	41,60 V
NOCT	45 \pm 2 °C		

NOTE: Read the instruction manual of this product and follow the indications STC. Values are valid for: 1000W/m², AM 1,5 and cells temperature of 25°C. Measurement tolerance $\pm 3\%$ (AAA Solar simulation -IEC 60.904-9-). All the information of this brochure may be amended without notice by Lina Energy.