



Monocrystalline Photovoltaic Module

LEPV 132 HC ICON PLUS

BLACK - STANDARD - BICOLOUR

500 Wp

QUALITY



Optimal performance
Power and efficiency



Reduced BOS
Cost effective product



Load endurance
Front load / Back load



Fire resistance
Maximum protection



Avoid losses
Better shading tolerance



Efficiency
Over 21% efficiency

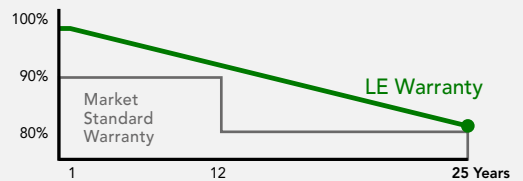


*** EUROPEAN QUALITY ***

WARRANTIES

20 YEARS PRODUCT WARRANTY
+5 years for Premium Partners

25 YEARS PERFORMANCE WARRANTY
Linear Warranty



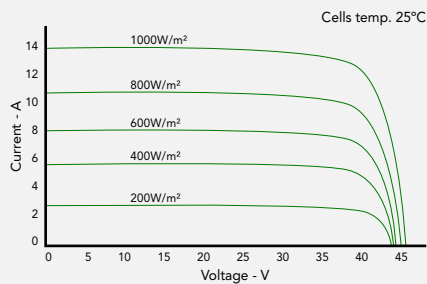
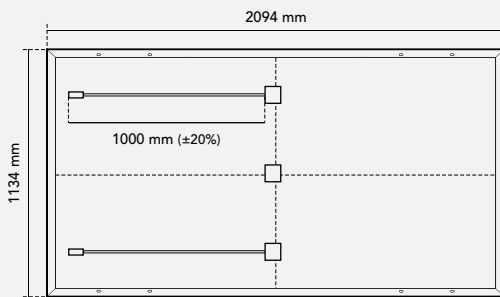
CERTIFICATES





TECHNICAL FEATURES

LEPV 132 HC ICON PLUS 500W_p 2023EN



FRAME

Black / Silver anodized aluminium

Robust and resistant to corrosion

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 1000 mm (±20%) length and 4 mm² section

FRONTAL

3,2 mm thick tempered glass with high strength and ARC

Textured, extra-clear with low iron content

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

SOLAR CELLS

132 [2x(11x6)] cells monocrystalline silicon

WEIGHT AND DIMENSIONS

26,3 Kg | 2094 x 1134 x 35 mm (±1%) | Pack: 682 pcs-truck

ELECTRIC DATA

BLACK - STANDARD - BICOLOUR	LEPV 500
STC: 1000 W/m², module temperature 25°C, AM 1,5	
Nominal power. P _{max}	500 W _p
Max. power tolerance. P _{max}	0 / +5 W
Area of the module	2,37 m ²
Module efficiency	21,06 %
I _{sc}	13,93 A
V _{oc}	45,59 V
I _{mp}	13,04 A
V _{mp}	38,35 V
NOCT: 800 W/m², ambient temperature 20°C, AM 1,5	
Nominal power. P _{max}	377,50 W
I _{sc}	11,24 A
V _{oc}	43,08 V
I _{mp}	10,53 A
V _{mp}	35,84 V
Operating parameters. Temperature coefficients	
Maximum voltage	1000 - 1500 V
Maximum series fuse rating. I _r	25 A
α I _{sc}	0,0445 % / °C
β V _{oc}	- 0,275 % / °C
γ P _{max}	- 0,350 % / °C
Temperature range	- 40°C ~ + 85 °C
NOCT	45 ± 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 +/-3% (AAA Solar simulation -IEC 60.904-9-). All the information of this brochure may be amended without notice by Lina Energy