

LC120-12P, LC130-12P

High-efficiency PV Module

Features

- high energy yields ensured by high conversion efficiency
- sturdy, clear-anodized aluminum frame with pre-drilled holes for guick installation
- advanced EVA encapsulation with triple-layer backsheet, meets the most stringent safety requirements for high-voltage operation
- pre-wired junction box equipped with connectors "plug'n'play"
- reliable bypass diodes to prevent overheating (hot spot effect) and to minimise power loss by shading
- manufactured in ISO 9001:2000-certified factory

Applications

- water pumping
- water purification systems
- remote village lighting
- solar home systems
- street and camp lights
- traffic signals
- medical facilities in remote areas
- microwave/radio repeater stations
- battery charging
- on-grid applications



Warranty

- Warranty: 2 years
- Performance guarantee:
 up to 10 years (90% power output)
 up to 20 years (80% power output)

Details according to warranty issued by LORENTZ

Standards

IEC 61215



Specifications

Electrical Data

Peak power	Pmax	[Wp]	120	130
Tolerance		[%]	+10/-5	+10/-5
Max. power current	Imp	[A]	7.0	7.6
Max. power voltage	Vmp	[V]	17.1	17.1
Short circuit current	Isc	[A]	7.7	8.0
Open circuit voltage	Voc	[V]	21.4	21.6
Temperature co-efficient for Pmax		[%/°C]	-0.50	-0.50
Temperature co-efficient for Voc		[%/°C]	-0.35	-0.35
Temperature co-efficient for Isc		[%/°C]	0.09	0.09
Max. system voltage		[V]	1,000	1,000
Temperature co-efficient for Pmax Temperature co-efficient for Voc Temperature co-efficient for Isc	VOC	[%/°C] [%/°C] [%/°C]	-0.50 -0.35 0.09	-0.50 -0.35 0.09

All technical data at standard test condition: AM = 1.5, $E = 1,000W/m^2$, cell temperature: 25 °C

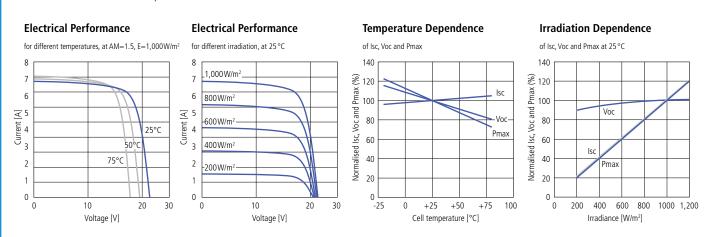
Cells

Number of cells in series	36
Number of cells in parallel	1
Cell technology	polycrystalline
Cell shape	rectangular

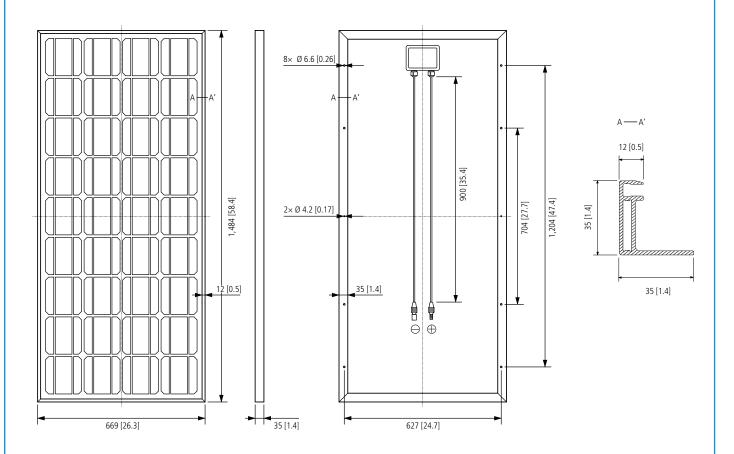
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Electrical Performance | for LC120-12P



Physical Specifications mm [in]



Weight	[kg]	13.5
Dimension	[mm]	669 × 1,484 × 35
Cable	approx. 900 mm / 35 in, 4 mm ² / AWG12	
Connectors		ZJRH Cixi Renhe 05-1