

LC75-12M High-efficiency PV Module

Features

- high energy yields ensured by high conversion efficiency
- sturdy, clear-anodized aluminum frame with pre-drilled holes for quick 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
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- 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]	75
Tolerance		[%]	+ 15/- 5
Max. power current	Imp	[A]	4.4
Max. power voltage	Vmp	[V]	17.1
Short circuit current	lsc	[A]	4.8
Open circuit voltage	Voc	[V]	21.6
Temperature co-efficient for Pmax		[%/°C]	-0.50
Temperature co-efficient for Voc		[%/°C]	-0.35
Temperature co-efficient for Isc		[%/°C]	0.09
Max. system voltage		[V]	600

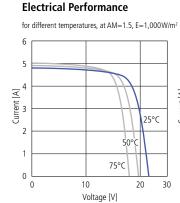
All technical data at standard test condition: AM = 1.5, $E = 1,000 \text{W/m}^2$, cell temperature: 25 °C

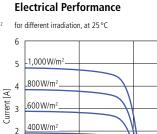
Cells

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



Electrical Performance





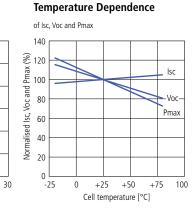
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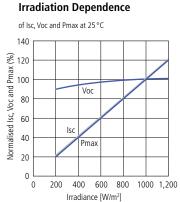
Voltage [V]

20

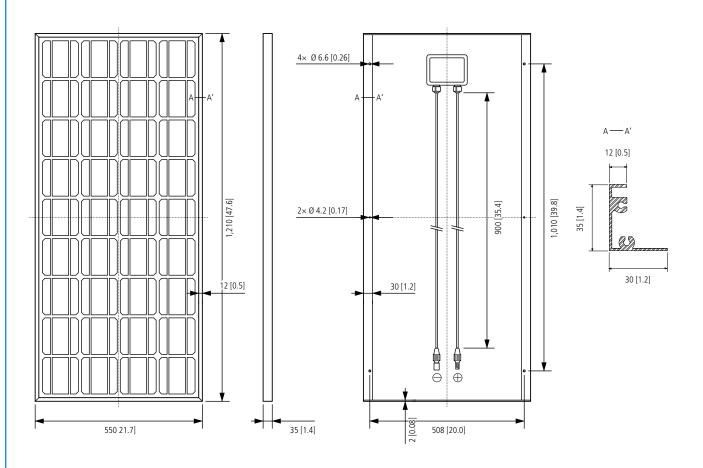
200W/m²

0





Physical Specifications mm [in]



Weight	[kg]	9.6
Dimension	[mm]	550 × 1,210 × 35
Cable	approx. 900	0 mm / 35 in, 4 mm ² / AWG12
Connectors		ZJRH Cixi Renhe 05-1