

# LC330-P72

## 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



photos may differ from actual product

### 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

LC330-P72 is certified according to IEC 61215 and 61730 by TÜV Rheinland and meets the requirements for CE.



### Specifications

#### Electrical Data

Peak power	P <sub>max</sub>	[Wp]	330
Tolerance		[%]	+6.0
Max. power current	I <sub>mp</sub>	[A]	8.84
Max. power voltage	V <sub>mp</sub>	[V]	37.3
Short circuit current	I <sub>sc</sub>	[A]	9.55
Open circuit voltage	V <sub>oc</sub>	[V]	45.6
Temperature co-efficient for P <sub>max</sub>		[%/°C]	-0.43
Temperature co-efficient for V <sub>oc</sub>		[%/°C]	-0.32
Temperature co-efficient for I <sub>sc</sub>		[%/°C]	0.04
Max. system voltage		[VDC]	1,000
Module efficiency		[%]	17.09

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

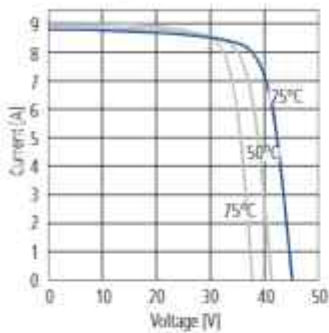
#### Cells

Number of cells in series	72
Number of cells in parallel	1
Cell technology	polycrystalline
Cell shape	rectangular

## Electrical Performance

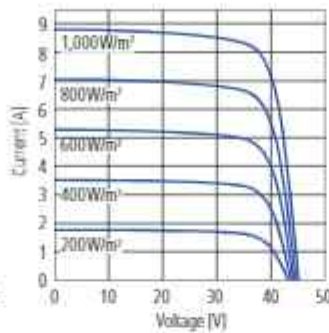
### Electrical Performance

for different temperatures, at AM=1.5,  $E=1,000\text{W/m}^2$



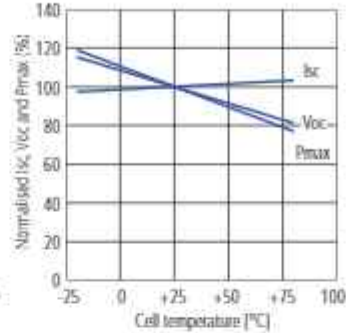
### Electrical Performance

for different irradiation, at 25 °C



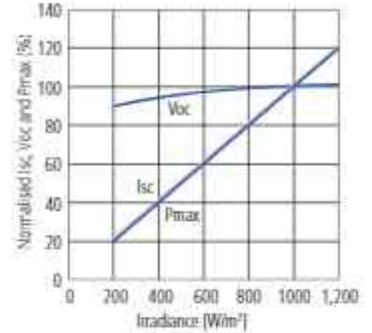
### Temperature Dependence

of Isc, Voc and Pmax

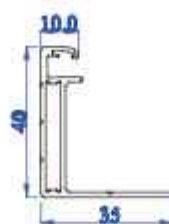
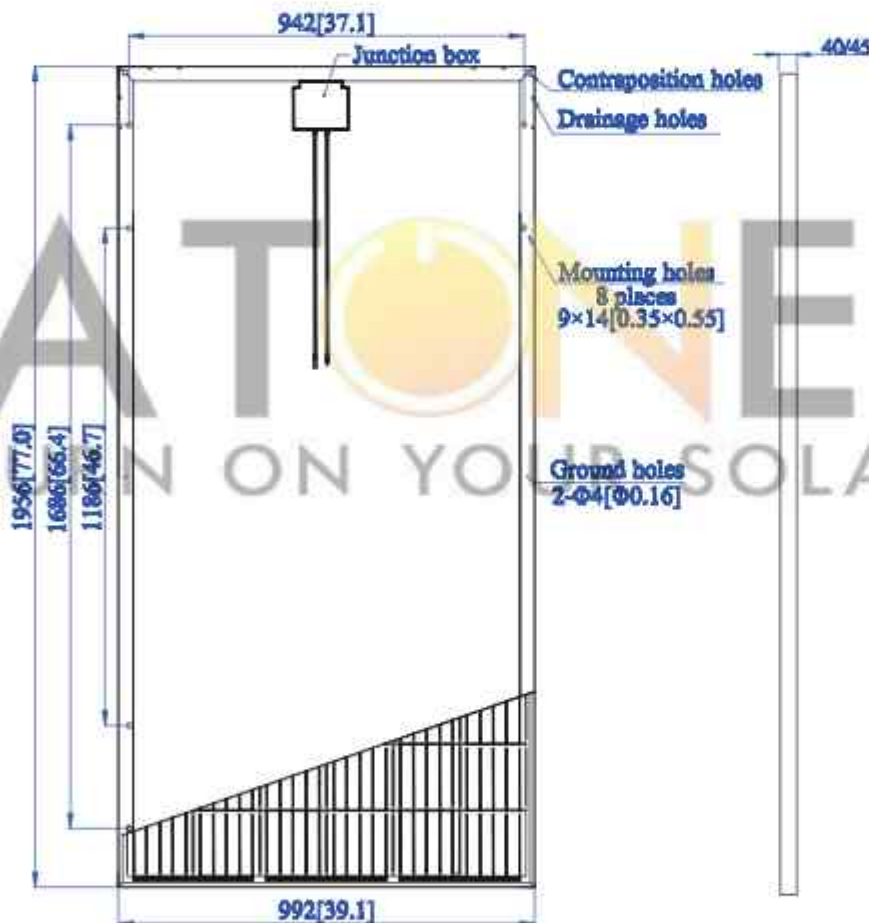


### Irradiation Dependence

of Isc, Voc and Pmax at 25 °C



## Physical Specifications mm [inch]



Weight	[kg]	20.8
Dimension	[mm]	1,956 × 992 × 40
Strength	[N/m²]	2,400
Cable		approx. 900 mm, 4 mm²
Connectors		MC4 compatible

BERNT LORENTZ GmbH

Siebenstuecken 24, 24558 Henstedt-Ulzburg, Germany  
Tel. +49 (0) 4193 8806 - 700, [www.lorentz.de](http://www.lorentz.de)

All specifications and information are given with good intent, errors are possible and products may be subject to change without notice. Pictures may differ from actual products depending on local market requirements and regulations.

Sun. Water. Life.