

# LC325-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



photo may differ from actual product

### Specifications

#### 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.



#### Electrical Data

Peak power	P <sub>max</sub>	[Wp]	325
Tolerance		[%]	+3/0
Max. power current	I <sub>mp</sub>	[A]	8.67
Max. power voltage	V <sub>mp</sub>	[V]	37.5
Short circuit current	I <sub>sc</sub>	[A]	9.11
Open circuit voltage	V <sub>oc</sub>	[V]	45.9
Temperature co-efficient for P <sub>max</sub>		[%/°C]	-0.29
Temperature co-efficient for V <sub>oc</sub>		[%/°C]	-0.39
Temperature co-efficient for I <sub>sc</sub>		[%/°C]	0.04
Max. system voltage		[VDC]	1,000
Module efficiency		[%]	16.7

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

#### BERNT LORENTZ GmbH

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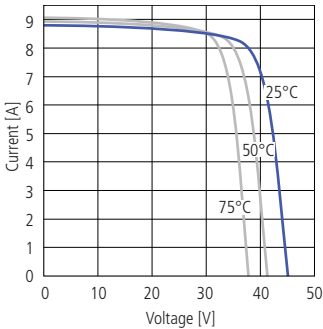
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## Electrical Performance

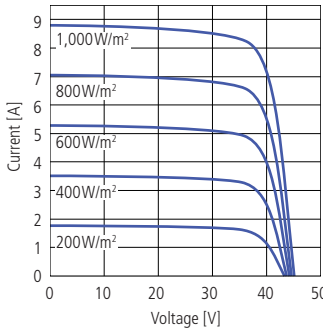
### Electrical Performance

for different temperatures, at AM=1.5, E=1,000W/m<sup>2</sup>



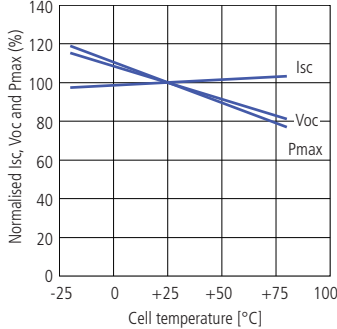
### Electrical Performance

for different irradiation, at 25 °C



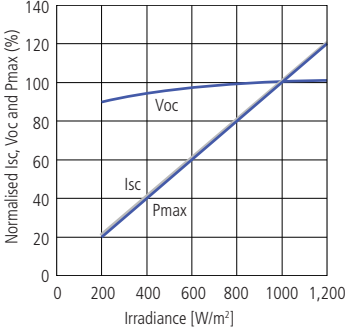
### Temperature Dependence

of I<sub>sc</sub>, V<sub>oc</sub> and P<sub>max</sub>

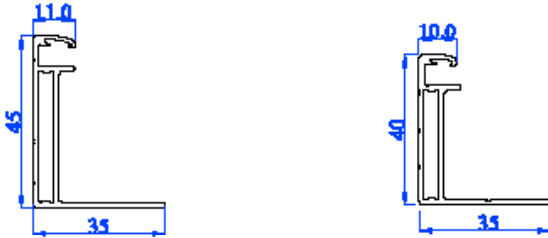
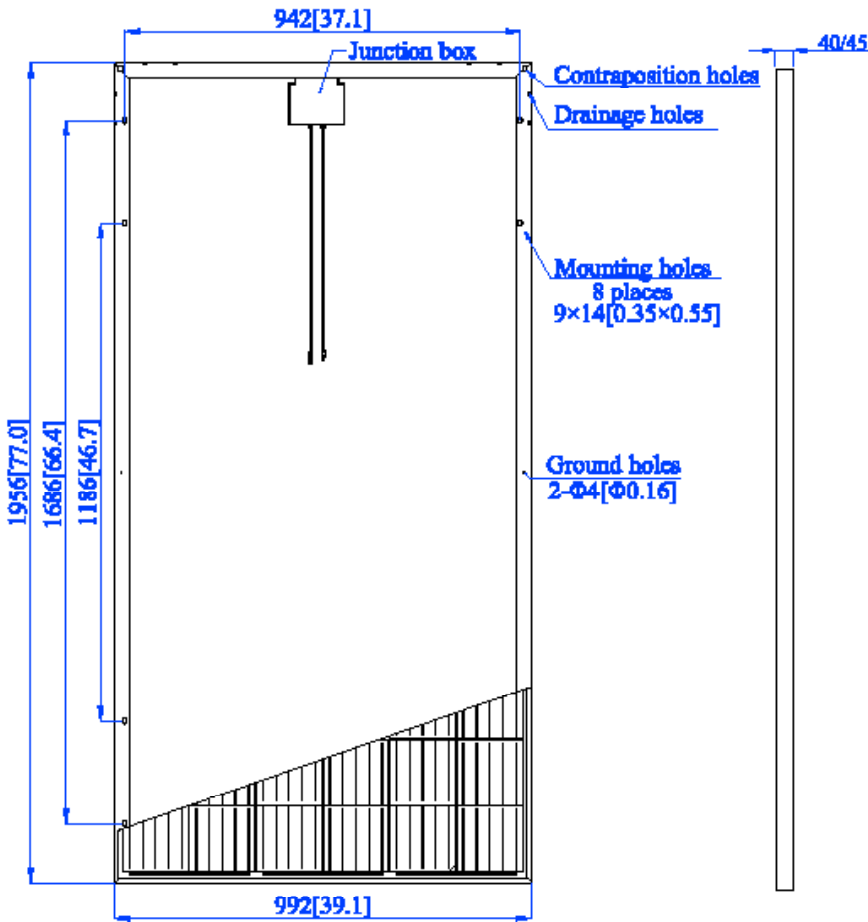


### Irradiation Dependence

of I<sub>sc</sub>, V<sub>oc</sub> and P<sub>max</sub> at 25 °C



## Physical Specifications mm [inch]



[kg]	20.8
[mm]	1,956 × 992 × 40
[N/m <sup>2</sup> ]	2,400
	approx. 900 mm, 4 mm <sup>2</sup>
	MC4 compatible

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