

# 200 Wp fixed PV module kit

## 2 x 100 Wp PV module kit

### Characteristics

- High energy yields ensured by high conversion efficiency
- Sturdy, clear-anodized aluminum frame with pre-drilled holes for quick installation
- Advanced EVA (Ethylene-Vinyl Acetate) encapsulation, meets the most stringent safety requirements for high-voltage operation
- Pre-wired junction box equipped with MC4 connectors
- High-quality, high-transmission tempered glass provides enhanced rigidity and impact resistance.
- Manufactured in an ISO 9001 - ISO 14001 - ISO 45001 certified factory



Photo 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 and certifications

- IEC 61215
- IEC 61730
- CE



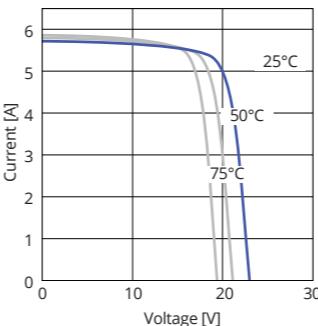
Note: All technical data is provided for 1 x 100 Wp module

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## 2 x 100 Wp PV module kit

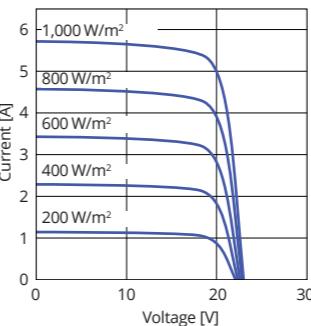
### Electrical Performance

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



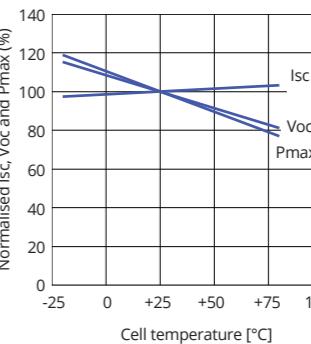
### Electrical Performance

for different irradiation, at 25 °C



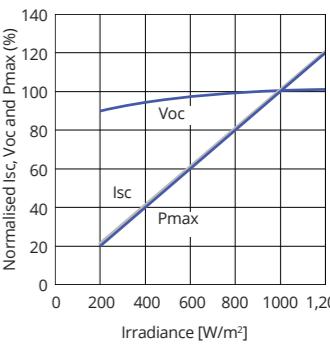
### Temperature Dependence

of Isc, Voc and Pmax

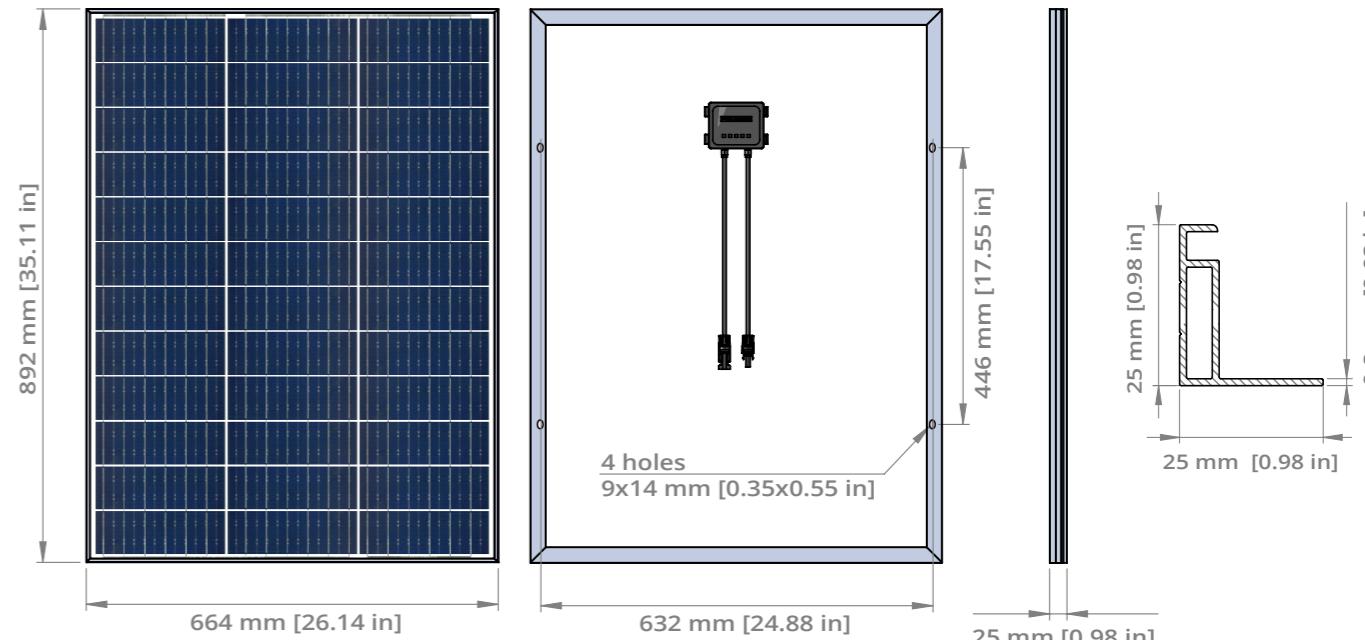


### Irradiation Dependence

of Isc, Voc and Pmax at 25 °C



### Dimensional drawing



### Technical Data

<b>Peak power</b>	Pmax [Wp]	100
<b>Power tolerance</b>	[%]	-5~+10
<b>Max. power current</b>	Imp [A]	5.42
<b>Max. power voltage</b>	Vmp [V]	18.43
<b>Short circuit current</b>	Isc [A]	5.86
<b>Open circuit voltage</b>	Voc [V]	23.21
<b>Temperature co-efficient of Pmax</b>	[%/°C]	- 0.38
<b>Temperature co-efficient of Voc</b>	[%/°C]	- 0.36
<b>Temperature co-efficient of Isc</b>	[%/°C]	+0.07
<b>Max. system voltage</b>	[V DC]	1000
<b>Module efficiency</b>	[%]	16.9
<b>Nominal operating cell temperature</b>	[°C / °F]	45 / 113

All technical data at standard test condition (STC): Irradiance = 1,000 W/m<sup>2</sup>, Cell temp: 25 °C, Air Mass = 1.5

### Mechanical Data

<b>Cell type</b>	Mono Crystalline 70 x 210 mm [2.75 x 8.27 in]
<b>Number of cells</b>	36 (3 x 12)
<b>Cable</b>	2 x $\Phi$ = 4 mm <sup>2</sup> [AWG 12], L = 0.9 m [35.43 in]
<b>Connectors</b>	MC4 compatible
<b>Junction Box</b>	IP65
<b>Dimensions [LxWxH]</b>	892 x 664 x 25 mm [35.11 x 26.14 x 0.98 in]
<b>Net Weight</b>	5.7 kg [12.6 lb]

<b>Order and Packaging information</b>	<b>Per box (2 Modules)</b>	<b>Per pallet (54 boxes = 108 modules)</b>
<b>Item number</b>	23-000640	54 x 23-000640
<b>Product name</b>	2 x 100Wp 36 cell Mono PV modules	Pallet of 108 x 100Wp 36 cell Mono PV modules
<b>Packed gross weight</b>	12.32 kg [27.16 lbs]	665.28 kg [1466.7 lbs]
<b>Packed volume</b>	0.038 m <sup>3</sup> [1.34 ft <sup>3</sup> ]	2.49 m <sup>3</sup> [87.93 ft <sup>3</sup> ]
<b>Packaging dimensions [LxWxH]</b>	915 x 690 x 60 mm [36.02 x 27.16 x 2.36 in]	2240 x 1140 x 975 mm [88.2 x 44.9 x 38.4 in]

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