

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

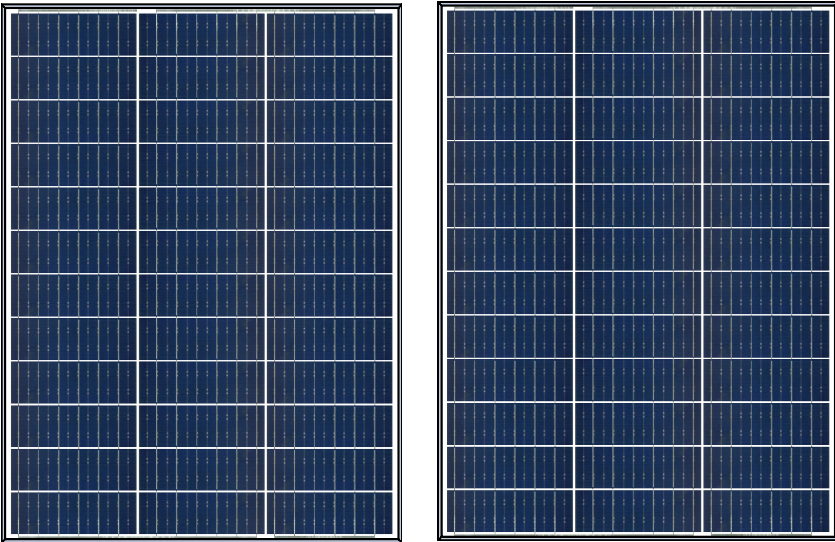


Photo may differ from actual product

Technical Data

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

All technical data at standard test condition (STC): Irradiance = 1,000W/m², Cell temp: 25 °C, Air Mass = 1.5

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

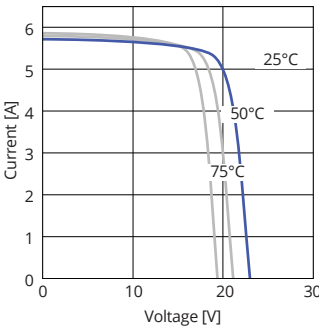


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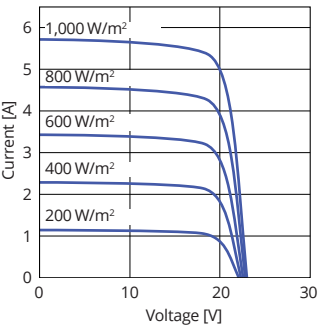
Electrical Performance

for different temperatures, at AM=1.5,  
Irradiance = 1,000 W/m²



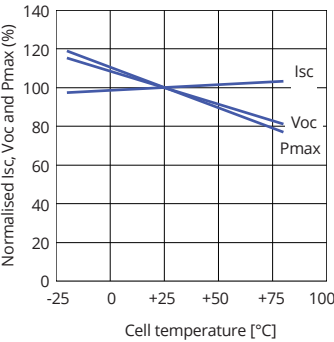
Electrical Performance

for different irradiation, at 25 °C



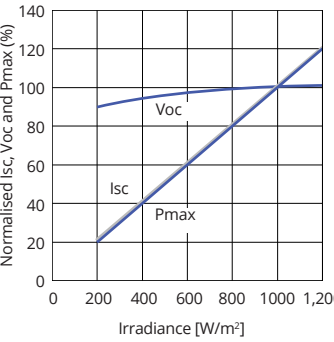
Temperature Dependence

of Isc, Voc and Pmax

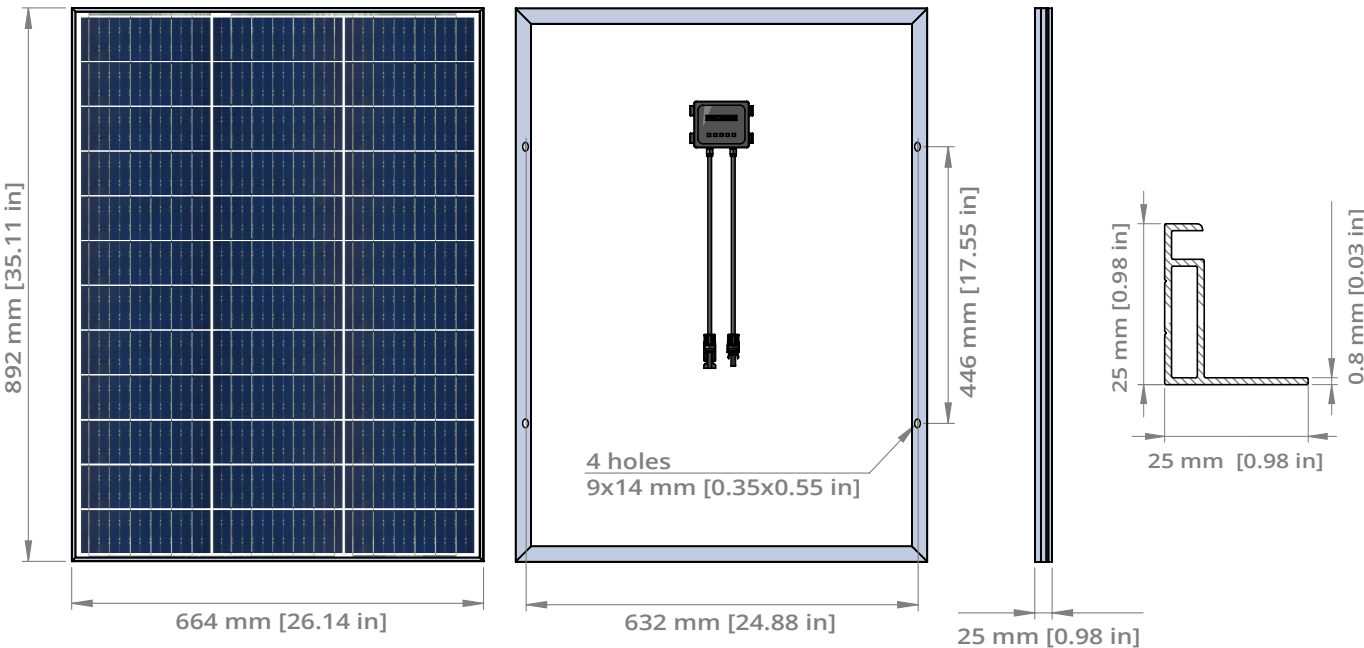


Irradiation Dependence

of Isc, Voc and Pmax at 25 °C



Dimensional drawing



Order and Packaging information

	Per box (2 Modules)	Per pallet (54 boxes = 108 modules)
Item number	23-000640	54 x 23-000640
Product name	2 x 100Wp 36 cell Mono PV modules	Pallet of 108 x 100Wp 36 cell Mono PV modules
Packed gross weight	12.32 kg [27.16 lbs]	665.28 kg [1466.7 lbs]
Packed volume	0.038 m³ [1.34 ft³]	2.49 m³ [87.93 ft³]
Packaging dimensions [LxWxH]	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]