

SUPER WATT

# SOLAR PANEL

100W / 12V

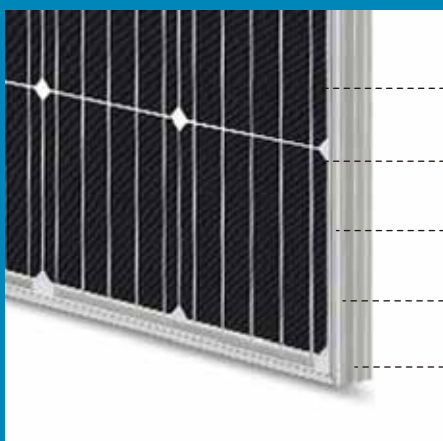


- Panneau 12V monocristallin haute performance.

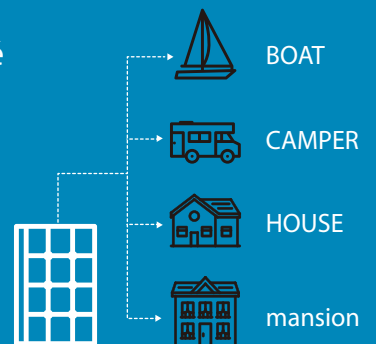
Sa structure multi-couche garantit des rendements exceptionnels même par très faible ensoleillement ou forte chaleur.

Le système anti hot-spot protège le panneau contre les surtensions cellules qui peuvent survenir lorsque les cellules sont masquées (ombres)

Son verre trempé transmissibilité et son cadre aluminium anodisé le préservent des attaques extérieures (chocs, oxydations, corro-



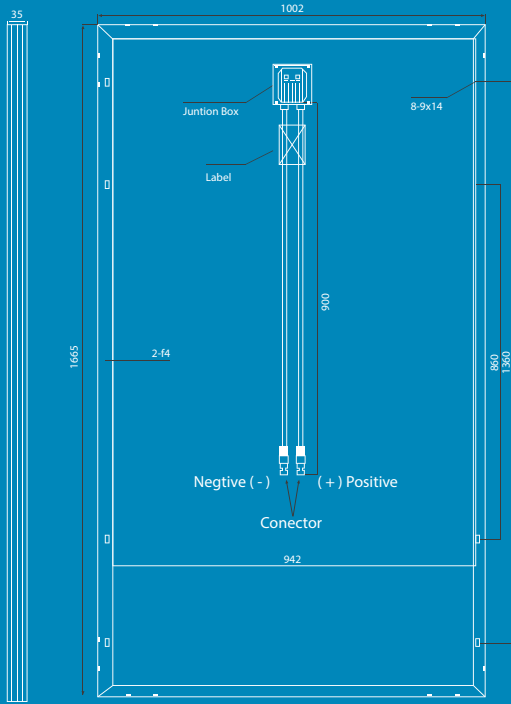
- Verre trempé haute transmissibilité
- Resine EVA
- Cellules haute rendement
- Support (aluminium anodisé)
- Cadre





# PRODUCT SPECIFICATION

## DIMENSIONS AND STRUCTURE



## ELECTRICAL PARAMETERS AT STANDARD TEST CONDITIONS (STC:AM=1.5, 1000W/M2, CELLS TEMPERATURE

Typical type	320W	315W	310W	305W
Max power (Pmax)	320	315	310	305
Max power voltage (Vmp)	32.50	32.40	32.30	32.10
Max power current (Imp)	9.85	9.72	9.60	9.50
Open circuit voltage (Voc)	40.50	40.30	40.10	39.90
Short circuit current (Isc)	10.30	10.20	10.09	9.97
Cell efficiency (%)	22.77	22.40	22.05	21.69
Module Efficiency (%)	19.66	19.36	19.05	18.75
Max system voltage	Dc 1000(TUV)			
Maximum Series Fuse Rating	15A			

## MECHANICAL DATA

Dimensions	1665x1002x35mm
Weight	18kgs
Front glass	3.2. mm tempered glass
Output cables	4 mm2 lenght 900 mm
Connectors	MC4 comoatible IP67
Cell type	Mono Cell 158.75*158.75 mm
Number of cells	60 cells in series

## TEMPERATURE CHARACTERISTICS

Temp.Coeff.of Isc(TK Isc)	0.05% / °C
Temp.Coeff.of Voc(TK Voc) °C Temp.Coeff.of	(-0.32%) / °C
Pmax(TK Pmax)	(-0.41%) / °C
Operating temperature	(-40~+85%) °C
Normal operating cell temperature	45±2°C

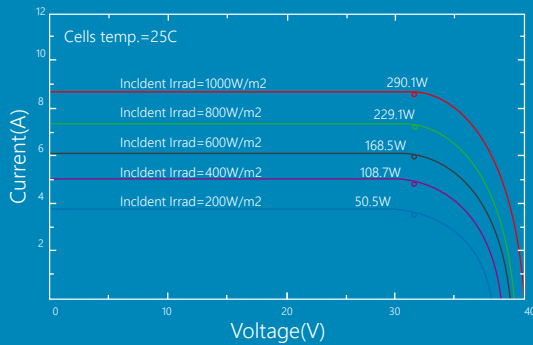
## PACKING CONFIGURATION

Container	20 GP	40 GP	40 HQ
Pieces per pallet	60	60	64
Pallets per container	6	14	14
Pieces per container	360	840	896

## TESTS,CERTIFICATIONS

Standard tests	IEC 61215, IEC 61730
System certs	ISO 9001, ISO14001
Certifications C	CQC,TUV,CE,MCS,CEC,CHUBB
Extreme wind and	Withstand extreme wind(2400 Pascal)
Withstand extreme wind	Snow loads(5400 Pascal)
snow loads testing	±3% J
Positive tolerance	IP67
Junction box	

## I-V CURVES AT DIFFERENT IRRADIANCE



## I-V CURVES AT DIFFERENT TEMPERATURE

