



L'avenir a un sens



# TARKA 120HC



Photovoltaic Half Cells Monocrystalline p-PERC  
**PV solar panel**

**TARKA VSMS 120HC 320-330W**

High Efficiency 19,6%

**Low Carbon Footprint**

Robust Design, 42mm Frame

TLS-Dicing™ Technology



# TARKA 120 Half Cells

## ELECTRICAL VALUES MEASURED AT STC (Standard Test Conditions : 1000 W/m<sup>2</sup>, 25°C, AM 1,5)

	320	325	330
Power (Wp)	320	325	330
Efficiency (%)	19,0	19,3	19,6
Maximum Power Voltage - Vmpp (V)	34,0	34,3	34,6
Maximum Power Current - Imp (A)	9,4	9,5	9,5
Open Circuit Voltage - Voc (V)	39,8	40,0	40,2
Short Circuit Current - Isc (A)	10,1	10,2	10,3

## ELECTRICAL VALUES AT NOCT (Normal Operating Cell Temperature : 800 W/m<sup>2</sup>, 45 °C, AM 1.5 m/s)

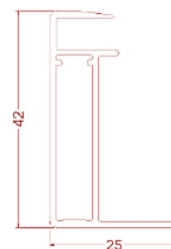
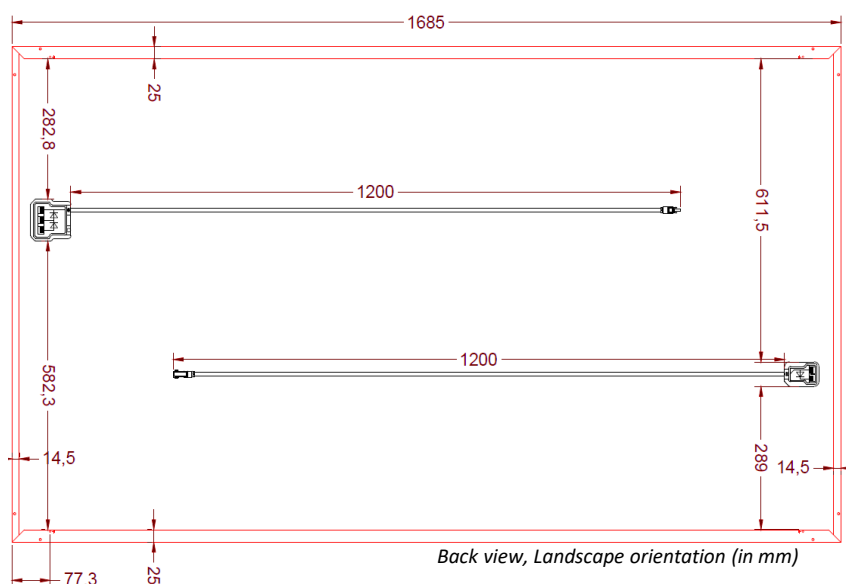
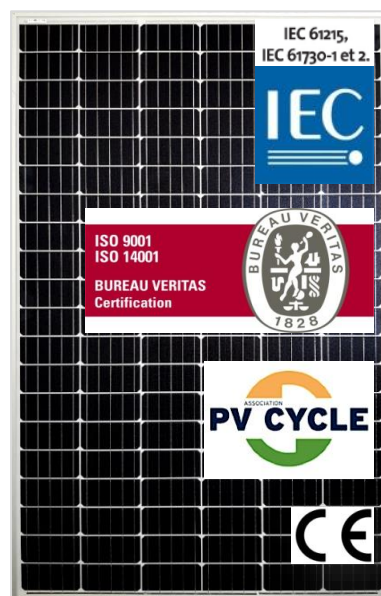
Maximum Power (Wp)	237,4	241,2	244,9
Maximum Power Current - Imp (A)	7,62	7,68	7,73
Maximum Power Voltage - Vmpp (V)	31,15	31,39	31,69

## TEMPERATURE COEFFICIENTS

Nominal Operating Cell Temp. (NOCT)	45°C
Temperature Coefficient at Pmax	-0,37%/°C
Temperature Coefficient at Voc	-0,32%/°C
Temperature Coefficient at Isc	0,05%/°C

## MODULE CHARACTERISTICS

Dimensions	1685x1000x42 mm
Weight	18,6 kg
Cell type	Mono PERC
Matrix	120 half cells
Glass	Tempered 3,2mm with ARC
Connectors MC4 like	ZJRH 05-8
Cable length	2x 1,2m
Frame	Aluminum (option Black)
Backsheet color	White (option Black)
Power tolerance	+5W
Operating temperature	-40 °C to +85 °C
Mechanical load (Wind/Snow)	2400 Pa / 5400 Pa
Hail resistance	Ø 25mm at 80 km/h
Electrical class	Classe II
Max Operating Voltage (V)	1500
Reverse current max. (A)	15



Frame cut view, long side

Frame long side return : 25 mm

Frame short side return: 14.5mm

Back return 30mm all along on some designs