

**MODEL: ASOL-450Wp-1200Wt-PVT**



Electrical output (PV): 450Wp



Polish guarantee

**10**  
years

Product guarantee

**15**  
years

Product guarantee PV

**Cu**

Copper heat exchanger

**Al**

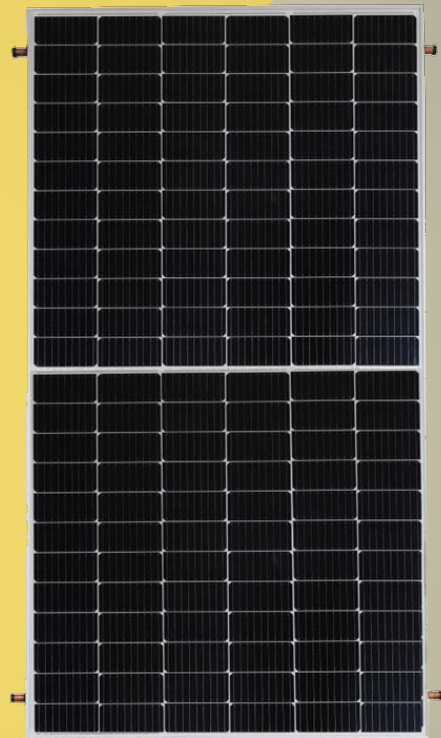
Aluminium absorber

**kW**

Heating output 1218 Wt



Multi-busbar cells



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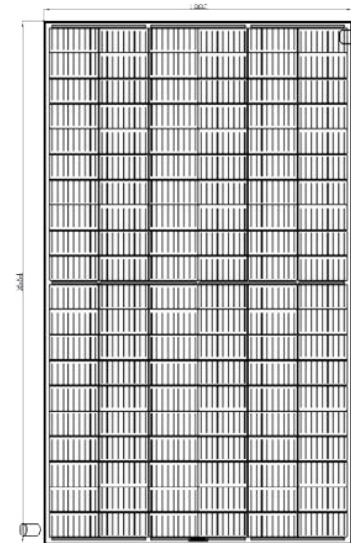
ASOL-450Wp-1200Wt -PVT

### Electrical parameters STC

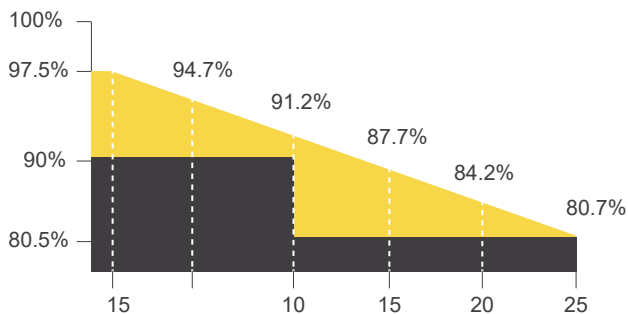
Maximum power Pmax	450 Wp
Idle voltage Voc	48 V
Short-circuit current Isc	11,55 A
Maximum power voltage Vmp	41,0 V
Maximum power current Imp	10,98 A
Power tolerance	- 0/+5%
Efficiency	20,70%

Electrical parameters measured under standard STC test conditions: irradiance 1000 W/m<sup>2</sup>, cell temperature 25°C, 1.5 AM

The electrical characteristics stated on the product's rating label may differ slightly from the specifications due to the batch of cells used in production.



Temperature parameters		Signs	
ISC	0,05 %/°C	W	Capacity
VOC	-0,33 %/°C	PVT	Hybrid module
PMAX	-0,36 %/°C		



Mechanical parameters		Heating parameters	
Measurements	2094 x 1038 x 35 mm	Maximum heating output	1218 Wt
Weight	33 kg	Surface	2,16 m <sup>2</sup>
Glass	3,2 mm hardened	Heating medium	Propylene glycol
Encapsulant	Copolymer EVA	Media volume	1,45 L
Cells	Monocrystalline Si, 9BB 144 pcs (half-cut) connected in series	Connection in 1 row	Up to 5 PVT panels
Backsheet	Multilayer	Absorber material	Aluminium
Frame	Anodised aluminium	Heat exchanger	Copper tube Fi 6mm
Jack	IP67, 3 diody by-pass	Insulation of the collector	Mineral wool thickness 20mm
Wiring	Cable 4mm <sup>2</sup> , 0.3m, MC4 or compatible	Pipe connection	ø 22 Cu, flat seal

Based on standards PN-EN 12975-1+A1:2010, PN-EN 9806:2017-12E, IEC 61215, IEC 62804, IEC 62716, IEC 62701