

# Photowatt®

## PW60HT-MP

### THE HIGH POWER POLY PERC MODULE

Dernier né de la gamme Photowatt®, le module monocristallin PW60HT-MP bénéficie des toutes dernières innovations en matière de technologies PERC pour un rendement surfacique optimal. Photowatt est un pionnier de l'industrie solaire depuis plus de 40 ans.

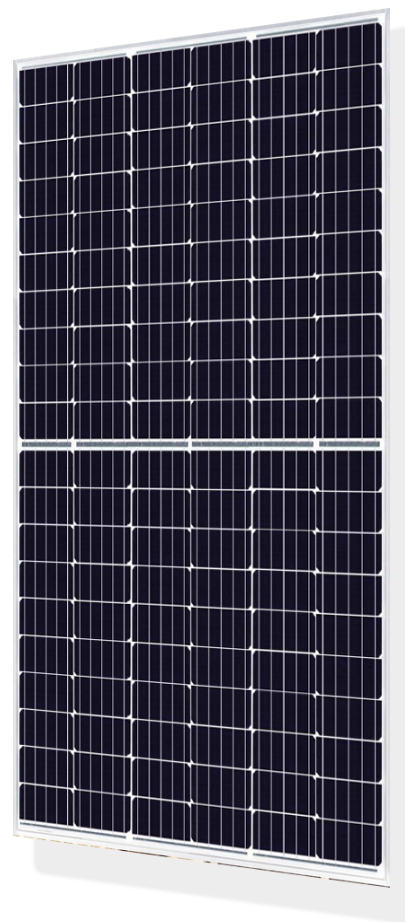
**315-295 Wp**  
Typical power

**18.96 %**  
Typical efficiency

**120 half-cells**  
Multicristalline module

**CO2**  
Low-carbon footprint

**0/+5 Wp**  
Power tolerance



#### Environmental standards

- Priority over environmental requirements by limiting the carbon footprint
- Recycling of used panels (Photowatt is co-founder of Soren)



#### Durability and performance

- Modules certified by international organizations (VDE)
- Better performance thanks to anti-reflective glass
- Cells sorted by reverse current and shunt resistance
- Better power thanks to the spacing uniform and optimized between cells

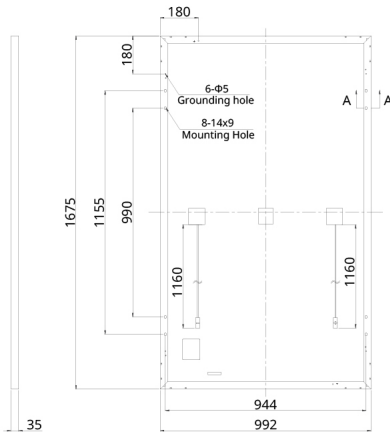


#### Highly resistant and light framing

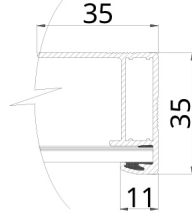
- Aluminum frame for resistance to extreme climatic conditions (6000Pa)
- Frost resistant frame
- Weight of module for easy handling

## LOW IRRADIANCE AND TEMPERATURES CURVES

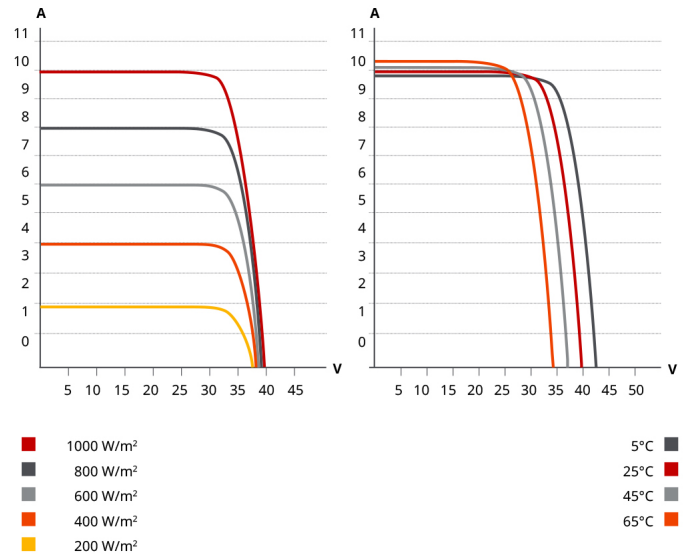
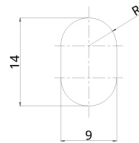
Rear View



Frame Cross Section A-A



Mounting Hole



## MECHANICAL CHARACTERISTICS

Cell type	Mono-crystallin
Module size	1675 x 992 x 35 mm
Cells number	120 [2x(10x6)]
Module weight	18.5 kg
Front cover	3.2 mm tempered glass
Frame material	Anodized aluminum alloy
J-BOX	IP68, 3 bypass diodes
Solar cables	4.0 mm² & 12 AWG, 1160mm
Connector type	T4 series
Per Pallet	30 pieces
Per Container (40'HQ)	840 pieces

\* For detailed information, please contact your local EDF ENR PWT sales and technical representatives

## OPERATING CONDITIONS

Operating temperature	-40°C to +85°C
High resistance to snow and wind load	6000 Pa (Neige) 4000 Pa (Vent)
Maximum system voltage	1500V ou 1000V (IEC)
Maximal serie fuse rating	30 A

## TEMPERATURE COEFFICIENT\*

Typical cells temperature NOCT	°C	41 (±3)
Temperature coefficient Pmax	γ	-0,37%/°C
Temperature coefficient Voc	β	-0,29%/°C
Temperature coefficient Isc	α	+0,05%/°C

\* 1000 W/m² ; temperature 25°C ; spectrum AM 1,5

## TECHNICAL CHARACTERISTICS (STC\*)

Typical power	W	315	310	305	300	295
Power tolerance	W	0/+5	0/+5	0/+5	0/+5	0/+5
Voltage at typical power	V	33.1	32.9	32.7	32.5	32.3
Current at typical power	A	9.52	9.43	9.33	9.24	9.14
Open circuit voltage	V	39.9	39.7	39.5	39.3	39.1
Short circuit current	A	10.06	9.98	9.90	9.82	9.73
Module conversion efficiency	%	18.96	18.66	18.36	18.05	17.75

\* Under Standard Test Conditions : STC (1000 W/m² ; spectrum AM 1,5 ; cell temperature 25°C)

## TECHNICAL CHARACTERISTICS (NMOT\*)

Typical power	W	315	310	305	300	295
Maximum power	W	235	231	228	224	218
Voltage at maximum power	V	30.7	30.5	30.3	30.2	29.7
Current operating income	A	7.65	7.58	7.50	7.42	7.35
Open circuit voltage	V	37.5	37.3	37.1	37.0	36.5
Short circuit current	A	8.11	8.05	7.98	7.92	7.85

\* Under Nominal Module Operating Temperature : NMOT (800 W/m² ; ambient temperature 20°C ; wind speed 1 m/s)

## WARRANTY

Product warranty	10 years
Linear power output warranty*	25 years

\* See general warranty terms and conditions

## QUALITY CERTIFICATES

### MANAGEMENT



### PRODUCT

