

# DATA SHEET OF SOLAR PANEL

MECHANICAL DATA	25 Wp	60 Wp	120 Wp	185 Wp	275 Wp	310 Wp	330 Wp	400 Wp
Number & Type of Cells	34 (140x28)	32 (156x68)	36 (156x117)	36 (156x156)	54 (156,7x156,7)	60 (156,7x156,7)	60 (158,7x158,7)	60 (158,7x158,7)
Anti-reflective glass	OUI	OUI	OUI	OUI	OUI	OUI	OUI	OUI
Dimensions and weight	1020x150x25 2,50kg	674x604x35 6,50kg	1195x676x35 9,70kg	1490x675x35 11,30kg	1490x988x35 17,00kg	1648x988x35 18,00kg	1664x1001x35 19,50kg	1900x1000x35 23,00kg
ELECTRICAL DATA	25 Wp	60 Wp	120 Wp	185 Wp	275 Wp	310 Wp	330 Wp	400 Wp
Maximum power in STC condition (Pmax)	25 Wp	60 Wp	120 Wp	185 Wp	275 Wp	310 Wp	330 Wp	400 Wp
Voltage at maximum power (Vmpp)	17,73V	18,7V	18,3V	19,9V	29V	32,55V	33,99V	40,75V
Maximum power current (Impp)	1,43A	3,21A	656A	9,2A	8,72A	9,46A	9,64A	9,81A
Voltage in open circuit (Voc)	22,5V	22,3V	22,7V	23,8V	35,7V	40,26V	40,98V	49,25V
Short-circuit current (Isc)	1,53A	3,47A	6,95A	9,65A	9,22A	9,96A	10,14A	10,56A
Maximum system voltage	1000 Vcc (CEI)	600 Vcc (CEI)	600 Vcc (CEI)	1000 Vcc (CEI)	1000 Vcc (CEI)	1000 Vcc (CEI)	1000 Vcc (CEI)	1000 Vcc (CEI)
Power tolerance	0/+5%	+/-5%	+/-5%	+/-3%	-2/+5%	+/-3%	+/-3%	0/+3%
Nominal cell operating temperature (NOCT)	45°C	46°C	47°C	47°C	49,4°C	49,3°C	49,3°C	45°C
Operating temperature	-40°C to +85°C							
Temperature coefficient of open circuit voltage (Voc)	-0,320%/°C	-0,295%/°C	-1,8mV/°C	-0,300%/°C	-0,282%/°C	-0,276%/°C	-0,276%/°C	-0,36%/°C
Temperature coefficient of the peak power (Pmax)	-0,400%/°C	-0,380%/°C	-0,320%/°C	-0,390%/°C	-0,376%/°C	-0,369%/°C	-0,369%/°C	-0,26%/°C
Power warranty	90% at 10 years	90% at 10 years	90% at 10 years	80% at 25 years	80% at 25 years	80% at 25 years	80% at 25 years	86% at 25 years

