



# CT SolarStandard

HIGH EFFICIENCY PHOTOVOLTAIC MODULE

## DESCRIPTION

Standard photovoltaic modules suitable for battery charging in any environment or condition.

Laminate using optical low iron tempered glass, EVA resin and tedlar. Laminate protected with clear anodized aluminium alloy frame.



Solar module 5W



Solar module 85W

## PERFORMANCE\*

Model	CT5	CT30	CT60	CT85	CT130
Nominal power ( $W_p$ )	5	30	60	85	130
Nominal voltage ( $V_{nom}$ )	12	12	12	12	12
Cell type	Poly crystalline				
Efficiency %	8,04	10,6	11,63	13,23	15
Voltage ( $V_{mp}$ )	17,39	17,39	17,39	18,18	18,36
Current ( $A_{mp}$ )	0,29	1,73	3,47	4,69	7,10
Max. voltage ( $V_{oc}$ )	21,6	21,6	21,6	22,21	22,03
Max. current ( $A_{sc}$ )	0,32	1,91	3,81	5,16	7,6
Power tolerance	±10%	±10	±5	±3%	±3%
Temperature range	-40°C to +85°C				
Length (mm)	320	668	777	1058	1960
Width (mm)	196	425	668	668	510
Thickness (mm)	16	33,8	33,8	30	33,8
Weight (kg)	0,73	4	6,6	7,6	15,2

\*Performance under Standard Test Condition (STC) 1000 w/m<sup>2</sup>, 25°C celltemperature, Air Mass 1,5

## Warrenty

5-year guarantee for workmanship

12-year guarantee for maximum 10% loss of power

25-year guarantee for maximum 20% loss of power

### Temperature coefficients

NOCT (normal operating cell temperature)	45 °C
$TC_{mpp}$	-0,45%/K
$TV_{oc}$	-0,346%/K
$TC_{isc}$	0,065%/K
Operating temperature range	-40 - +85°C