



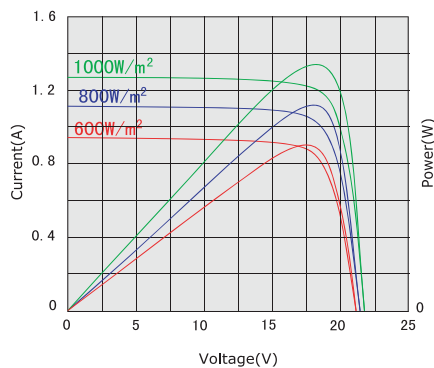
## PHOTOVOLTAIC MODULES

# ATSCOP36GW-20W

Electrical Characteristics at 1STC	20Wp
STC Power Rating	20W/ 12V
Maximum Power Voltage (Vmp)	17.7V
Maximum Power Current (Ipm)	1.13A
Open Circuit Voltage (Voc)	22.2V
Short Circuit Current (Isc)	1.31A
Max. System Voltage	DC 1000V
Safety Class	II
Measuring Tolerance	± 3

[1STC- Standard Test Conditions : Spectrum Am. 1.5  
irradiance 1000W/m<sup>2</sup> - Module Temperature 25 °C at air mass]

Electrical Performance cell temperature: 25°C

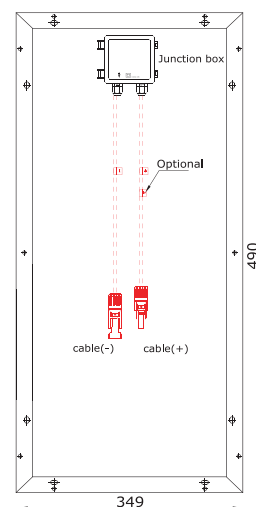


Mechanical Characteristics	20Wp
Cell Type	Poly
Cell Quantity	36 (2x18)
Module Dimension	349x490 mm
Module Weight	2,6 Kg
Operation Temperature	-40 °C...+80 °C
Maximum Strength	5.400 N/m <sup>2</sup>



Temperature Characteristics	20Wp
Power Temperature Coefficient (%/K)	-0.5 ±0.05
Current Temperature Coefficient Isc (%/K)	+0.053 ±0.01
Voltage Temperature Coefficient (mV/ K)	-78 ±10

Warranties	
ISO 9001:2008 Certificate	
Preparation for IEC 61215 Edition II	
CE Marking (Low Voltage Directive)	
TSE Certificate	
Protection Safety Class II	



FRAME



J-BOX



MODULE STRUCTURE

