

Data sheet Modules MITHRAS

Module Type	160 WP	170 Wp	180 Wp
Cell characteristics			
Cell type	Multi crystalline silicon	Multi crystalline silicon	Multi crystalline silicon
Cell strings	1	1	1
N° of cells and connections	72	72	72
Cell dimensions	125 mm square	125 mm square	125 mm square
Module characteristics			
Electro-Optical characteristics (Irradiance 1000W/m ² , Module Temperature 25°C, spectrum AM 1.5)			
Peak power (Pmpp)	160 Wp	170 Wp	180 Wp
Peak power voltage (Vmpp)	34.80 V	35 V	35.60 V
Peak power current (Impp)	4.60 A	4.86 A	5.05 A
Open circuit voltage (Voc)	43.0 V	43.4 V	43.8 V
Short circuit current (Isc)	5.05 A	5.28 A	5.40 A
Encapsulated solar cell efficiency	14.2 %	15.1 %	16 %
Maximum system voltage	1000 V	1000 V	1000 V
Power tolerance	+/-3%	+/-3%	+/-3%
Temperature coefficients			
Power	-0.34 %/°C		
Open Circuit voltage (Voc)	-0.143 V/°C		
Short Circuit current (Isc)	3.5 mA/°C		
Physical characteristics			
Dimensions	1600 mm x 808 mm x 50 mm		
Weight	15 kg		
Output Terminal	Lead wire with waterproof connector		
Peak power warranty	12 years ≥ 90% of minimal guaranteed power 25 years ≥ 80% of minimal guaranteed power		
Temperature ratings	-40 to + 90 °C operating temperature -40 to + 90 °C storage temperature		