

Preliminary Data sheet
MITHRAS MODULE



Module Type	190 Wp	200 Wp
Cell characteristics		
Cell type	Multi crystalline silicon	Multi crystalline silicon
Cell strings	1	1
N° of cells and connections	54	54
Cell dimensions	156 mm square	156 mm square
Module characteristics		
Electro-Optical characteristics (Irradiance 1000W/m ² , Module Temperature 25°C, spectrum AM 1.5)		
Peak power (P _{mp})	190 Wp	200 Wp
Peak power voltage (V _{mp})	26.2 V	26.7 V
Peak power current (I _{mp})	7.26 A	7.49 A
Open circuit voltage (V _{oc})	32.4 V	32.8 V
Short circuit current (I _{sc})	8.0 A	8.25 A
Encapsulated solar cell	14.5 %	15.2 %
Maximum system voltage	1000 V	1000 V
Power tolerance	+/-3%	+/-3%
Temperature coefficients		
Open circuit voltage (V _{oc})	-0.107 V/°C	
Short circuit current (I _{sc})	5.5 mA/°C	
Physical characteristics		
Dimensions	1492 mm x 994 mm x 50 mm	
Weight	12 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 temp.	
	-40 to + 90 °C storage temp.	