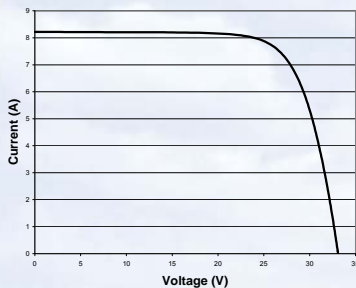




Data sheet MITHRAS MODULE



Current-Voltage Characteristic



| Module Type | 180 Wp | 190 Wp | 200 Wp |
|--|--|---------|---------|
| Cell characteristics | | | |
| Cell type | Multi crystalline silicon | | |
| Cell strings | 1 | | |
| N° of cells and connections | 54 | | |
| Cell dimensions | 156 mm square | | |
| Module characteristics | | | |
| Electro-Optical characteristics (Irradiance 1000W/m ² , Module Temperature 25°C, spectrum AM 1.5) | | | |
| Peak power (P _{mpp}) | 180 Wp | 190 Wp | 200 Wp |
| Peak power voltage (V _{mpp}) | 25.80 V | 26.20 V | 26.70 V |
| Peak power current (I _{mpp}) | 6.98 A | 7.26 A | 7.49 A |
| Open circuit voltage (V _{oc}) | 32.20 V | 32.40 V | 32.80 V |
| Short circuit current (I _{sc}) | 7.85 A | 8.00 A | 8.25 A |
| Encapsulated cell efficiency | 13.7 % | 14.5 % | 15.2 % |
| Maximum system voltage | 1000 V | | |
| Power tolerance | +/-3% | | |
| Temperature coefficients | | | |
| Open Circuit voltage (V _{oc}) | -0.107 V/°C | | |
| Short Circuit current (I _{sc}) | 5.5 mA/°C | | |
| Physical characteristics | | | |
| Dimensions | 1492mm x 994mm x 50mm | | |
| Weight | 18.2 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 | | |

