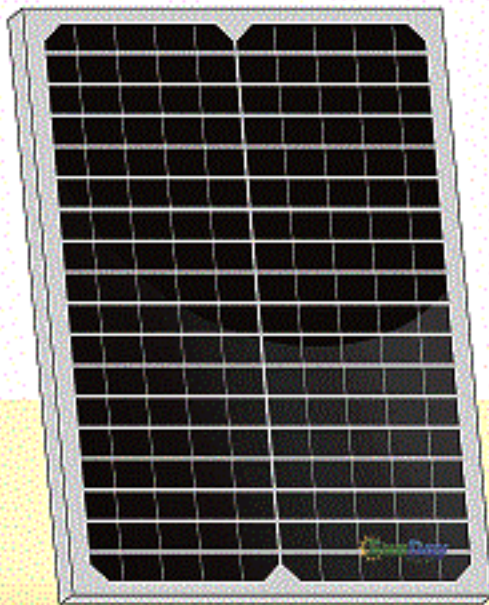
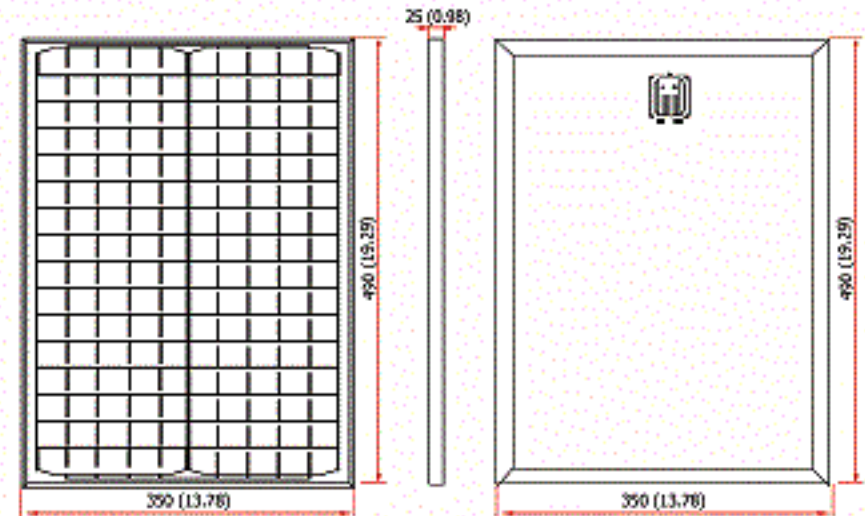


MONOCRYSTALLINE MODULE 20W



SOLAR MODULE:
SDM-20

PHYSICAL CHARACTERISTICS Unit: mm (inch)



ELECTRICAL SPECIFICATIONS

| | |
|--|---------------|
| Model Type | SDM-20 |
| Nominal Maximum Power (P _{max}) | 20W |
| Optimum Operating Voltage (V _{mp}) | 17.50V |
| Optimum Operating Current (I _{mp}) | 1.14A |
| Open Circuit Voltage (V _{oc}) | 21.60V |
| Short Circuit Current (I _{sc}) | 1.29A |
| Module Efficiency | 10.21% |
| Cell Efficiency | 17.50% |
| Power Tolerance | 0 to +3% |
| Maximum System Voltage | DC 1000V |
| Operating Temperature | -40°C ~ +85°C |

MECHANICAL DATA

| | |
|------------------|--------------------------|
| Cell Type | 156mm x 22.3mm |
| Cell Arrangement | 36 cells in series |
| Dimensions | 490 x 350 x 25 mm |
| Weight | 2.00kg |
| Front Cover | 3.2mm tempered glass |
| Frame Material | Anodized aluminium alloy |
| J-Box | IP65 |

TEMPERATURE CHARACTERISTICS

| | |
|---|--------------|
| Temperature Coefficient (P _{max}) | -0.420% / °C |
| Temperature Coefficient (V _{oc}) | -0.346% / °C |
| Temperature Coefficient (I _{sc}) | 0.065% / °C |
| Nominal Operating Cell Temperature | 45.3 ± 2 °C |

ELECTRICAL CHARACTERISTICS

