**180W MONOCRYSTALLINE SOLAR PANEL**

**Features**

- **Aluminum Frame, Rugged Design**
- **High Efficiency Solar Cells Up to 9.51 Amp, Continuously recharge your 12V batteries with the power of the sun.**
- **Includes, charge controller, battery connecting cable and mounting Z-brackets**
- **Connect additional panels for a faster charge**
- **Requires a charge controller to protect batteries from overcharging**

**SPECIFICATIONS**

**Solar Panel**
- **Solar Panel:** Monocrystalline
- **Maximun Power:** 180 Watt
- **Voltage at Pmax(Vmp):** 18.94 V
- **Current at Pmax(Imp):** 9.51A
- **Open circuit voltage(Voc):** 22.31 V
- **Short circuit Current(Isc):** 1.34 A
- **Operating Temperature:** -40°C to + 85°C

**Charge Controller**
- **Maximum Input power:** 180 Watts
- **Maximum Input Current:** 11 A
- **Cut-in voltage:** 13 V
- **Cut-out voltage:** 14.2 V

**Material:** Aluminum, Glass constrction & Steel

**SHIPPING DETAILS**

- **Item Number:** 50180
- **UPC Code:** 83929000xxxx
- **Country of Origin:** Vietnam
- **Panel Dimensions:** 57.8 x 26.3 x 1.4 in
- **Package Dimensions:** 59 x 27.6 x 2.36 in
- **Product Weight:** 29.6 lbs with packge
  - 24.6 lbs without packge
- **Master Quantity:** -
- **Master Dimensions:** - in
- **Master Weight:** - lbs