

SOLAR CONTROLLER **GLC4830LY**

◆ DESCRIPTION:

A solar controller is a small box consisting of solid state circuitry that is placed between a solar panel and a battery. Its function is to regulate the amount of charge coming from the panel that flows into the deep cycle battery bank in order to avoid the batteries being overcharged. A controller can also provide a direct connection to appliances, while continuing to recharge the battery.

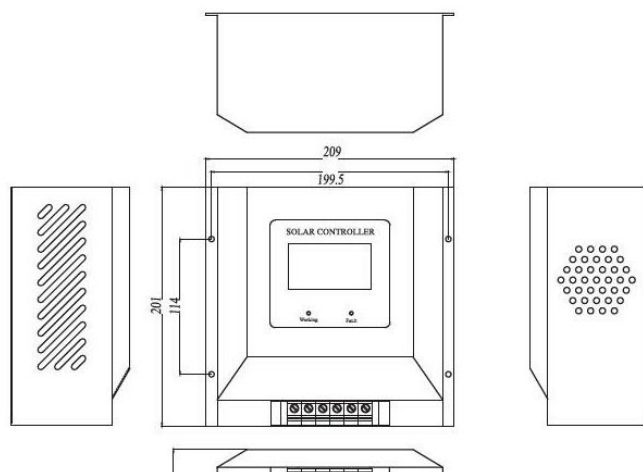


◆ FEATURES:



- **PWM Charging:** high charge efficiency and greatly extends the battery life.
- **MOSFET as Electronic Switch:** makes the controller a longer life.
- **Protection Functions:** makes the system be more secure and reliable, includes overcharge protection, deep discharge protection, reverse polarity protection of module/battery/load, short circuit protection of module/load, open circuit protection without battery, over-temperature protection, battery overvoltage shutdown.
- **LCD Display:** real-time shows the system status of charging, discharging and fault.
- **Sufficient Design Margin:** maximum capacity exceeds 20% as the rated current/power, which makes the system more secure.
- **Intelligent Cooling Fans:** it is controlled by the real-time heat sink's temperature, which makes the fan a longer life and saving energy.
- **Metal Case:** after spray treatment, the controller is more beautiful and durable.

◆ APPEARANCE:



◆ TECHNICAL PARAMETERS:

| Model | | GLC4830LY |
|-----------------------|------------------------------|-------------------|
| System Specifications | Rated Voltage | 48V |
| | Rated Current | 30A |
| | Float Voltage | 55.2V |
| | Idle Draw | ≤70mA |
| Input | Max Current On Charging | 30A |
| | Max Open Voltage | 100V |
| Output | Max Load Current | 30A |
| Protection Function | Over charge | 58.4V±0.2V |
| | Over discharge Protection(V) | 43.2V±0.2V |
| | Over discharge Resumption(V) | 49.6V±0.2V |
| | Over-voltage Protection(V) | 68V |
| | Over-voltage | 60V |
| | Reverse Polarity | Yes |
| | Short Circuit | Yes |
| Other Data | Working Temperature | -20~70°C |
| | Storage Temperature | -35~80°C |
| | Temperature Compensation | -4mV/2V/°C |
| | Display | LCD |
| | Operating Altitude(m) | ≤5000m |
| | Product Size | 209mm×201mm×100mm |
| | Packing Size | 213mm×205mm×103mm |
| | Product Weight | 2000g |
| | Packing Weight | 2150g |

◆ INSTALLATION DIAGRAM:

