

SOLAR CONTROLLER **MEC12(24)15CY**

◆ DESCRIPTION:

A Multitask Electronics 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.

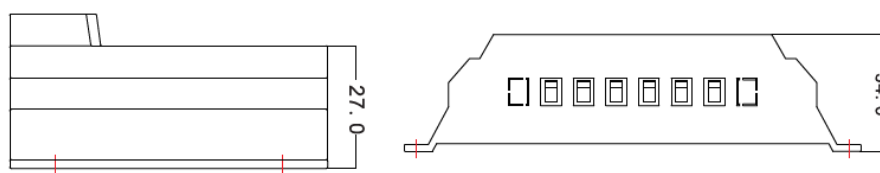
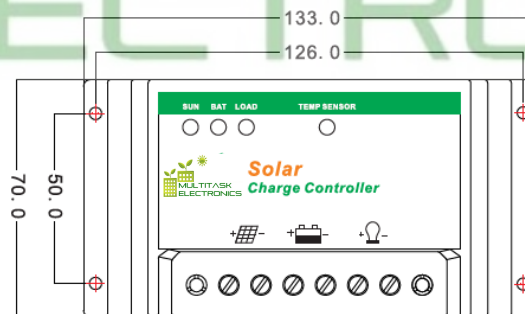


◆ FEATURES:

- **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.
- **Sufficient Design Margin:** maximum capacity exceeds 20% as the rated current/power, which makes the system more secure.

 3 years 

◆ APPEARANCE:



◆ **TECHNICAL PARAMETERS:**

| Model | | MEC12(24)15CY |
|-----------------------|------------------------------|-----------------------|
| System Specifications | Rated Voltage | 12V/24V |
| | Rated Current | 15A |
| | Float Voltage | 13.8V/27.6V |
| | Idle Draw | ≤13mA |
| Input | Max Current On Charging | 15A |
| | Max Open Voltage | 30V/50V |
| Output | Max Load Current | 15A |
| Protection Function | Over charge | 14.6V±0.2V/29.2V±0.2V |
| | Over discharge Protection(V) | 10.8V±0.2V/21.6V±0.2V |
| | Over discharge Resumption(V) | 12.4V±0.2V/24.8V±0.2V |
| | Over-voltage Protection(V) | 17V/34V |
| | Over-voltage | 15V/30V |
| | Reverse Polarity | Yes |
| | Short Circuit | Yes |
| Other Data | Working Temperature | -20~70°C |
| | Storage Temperature | -35~80°C |
| | Temperature Compensation | -4mV/2V/°C |
| | Display | LED |
| | Operating Altitude(m) | ≤5000m |
| | Product Size | 133mm×70mm×34mm |
| | Packing Size | 137mm×74mm×37mm |
| | Product Weight | 160g |
| Packing Weight | 175g | |

◆ **INSTALLATION DIAGRAM:**

