

TRISTAR MPPT™ CONTROLLER



AMBIENT OPERATING TEMPERATURE

-40°C to +45°C

TERMINAL

35 mm² / 2 AWG

WEIGHT

4.2 kg / 9.2 lbs.

DIMENSIONS

29.1 x 13.0 x 14.2 cm
11.4 x 5.1 x 5.6 inch

CERTIFICATIONS

CE, ETL Listed (UL1741)
cETL (CSA C22.2 No.
107.1-01)
FCC Class B
Part 15 Compliant
Complies with NEC

WARRANTY

5 years

45 or 60 amps at up to 150 volts open circuit



The TriStar MPPT with TrakStar Technology is an advanced maximum power point tracking controller for off-grid solar systems up to 3kWp.

- **MAXIMIZES ENERGY HARVEST** – Better peak power tracking than other MPPT controllers.
- **VERY HIGH EFFICIENCY** – the industry's highest peak efficiency of 99% for off-grid charge controllers.
- **EXTENSIVE NETWORKING & COMMUNICATIONS** – Enables system monitoring, data logging and adjustability. On board Ethernet included on the TS-MPPT-60.

TRISTAR MPPT

TS-MPPT45

TS-MPPT60

Maximum Battery Current	45A	60A
Nominal Max. Solar Input		
12V	600Wp	800Wp
24V	1200Wp	1600Wp
48V	2400Wp	3200Wp
Maximum Open Circuit Voltage	150V	
System Voltage	12/24/36 or 48V DC	

OPTIONS*:

TriStar Meter-2	yes	yes
TriStar Remote Meter-2	yes	yes
MeterHub	yes	yes
EIA-485 Adapter	yes	standard

*remote temp sensor is included with every TS-MPPT.