

MT1050EU

Charge Controller

MPPT

- Innovative Max Power Point Tracking(MPPT) technology, tracking efficiency >99.9%
- Full digital technology, high charge conversion efficiency up to 98%
- LCD display design, read operating data and working condition easily
- 12/24V system voltage
- Lithium, AGM, Liquid and GEL battery for selection
- External temperature sensor
- Four stages charge way: MPPT, boost, equalization, float
- With current-limiting charging mode



SPECIFICATIONS

Type	MT1050EU
System voltage	12V
Max solar/Load current	10A
Boost voltage	14.5V (25°C)
Equalization voltage	14.8V (25°C)
Float voltage	13.7V (25°C)
Overcharge protect	15.5V
Max volt on Bat. terminal	20V
Day/Night threshold	8.0V
Battery type	AGM, Liquid and GEL
Temperature compensation	-4.17mV/K per cell (boost, equalization), -3.33mV/K per cell (float)
Max volt on PV(-20°C)	45V
Max volt on PV(-25°C)	40V
Max input power	130W
Dimensions/Weight	189 * 96 * 53 mm / 420g
Self-consumption	7mA
Ambient temperature	-20 ~ +55°C



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