



IFM12-500E2

O'cell E2 series of LiFePO4 batteries are designed for the replacement of the Lead-Acid batteries mainly used for power backup applications, can directly replace the Lead-Acid batteries by using the same standard shells. This series of LiFePO4 batteries Integrated with BMS, have fully protection features, such as over charging protection, over discharging protection, over current protection and short-circuit protection etc. O'cell E2 series of LiFePO4 batteries with wide capacity range from 12V 4.5Ah to 12V 300Ah call fulfil almost all types of applications to replace existing Lead-Acid batteries.

• Applications

- Golf cart
- Low speed sightseeing vehicle
- Recreational vehicle
- Solar energy storage system
- UPS power backup
- Medical machines
- Solar street lights

• Features

- Higher energy density
- Integrated with BMS, self-protection functions
- low self-discharging
- Free maintenance, long life cycle

Specifications

Model No.	IFM12-500E2
Pack	IFR26650-4S15P
Nominal Capacity	50Ah
Minimum Capacity	47Ah
Nominal Voltage	12.8V
Energy	640Wh
Max. Charging Voltage	14.6V
Discharge Termination	10.0V
Charging Method	CC/CV
Standard charging	10A
Max. Charging Current	50A
Standard Discharge	10A
Max. Continuous discharge current	50A
Cycle Life	2000@0.2C/80% DOD
Internal Resistance	≤50mΩ
Dimensions	197*166*171mm
Weight (Approx)	6.7kg
Operating Temperature Range	Charging: 0°C~45°C Discharge: -20°C~60°C
Storage Temperature Range	-10°C~35°C



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PERFORMANCE CHARACTERISTICS

