

LA2016-Li-ion storage battery

LiFePO4 storage battery with BMS (Battery management system)

Specification:	Li-ion polymer storage battery pack
Model:	LA2016
Supplier:	Microsys International (S) Pte Ltd, Singapore
Capacity:	50V at 20Ah (1KVAh)
LiFePO4 cells number:	32
Rated Voltage:	48V
Dimensions:	157x205x470mm
Weight:	11,5Kg
Cells housing:	Double PA66 plastic
Maximal charge/discharge current:	15A
Recommended charge/discharge current	10A
Charge voltage range:	43V ~ 58V
Discharge voltage range:	56V ~ 40V
Life cycle of the whole pack:	>3000 (100% D.O.D.)
Storage temperature and humidity:	<40°C, <75RH
Operational temperature – charging:	10°C ~ 45°C
Operational temperature – discharging:	-10°C ~ 60°C
Storage period:	6 months
BMS (battery management system):	
Type of BMS:	Active, microprocessor controlled
Controlled quantities:	Voltage, current, temperature
Safety functions:	
Emergency STOP:	Voltage, current, temperature
Fuse:	20A
Communication:	RS485, 9600 8n1