



The Revolutionary Energy Storage Solution

LiFe Power Technology provides advanced lithium iron phosphate energy storage solutions.

The MCB Battery Series is made for medical emergency storage. High energy storage efficiency and allows fast recharge, it captures most of the energy generated by the solar panel or wind generator. It is built with lithium iron phosphate cell (LiFePO4), it offers light weight with extremely high cycle, long calendar life and this battery is capable of very high energy output. This series also design to withstand extreme temperature range (-20°C to 75°C).

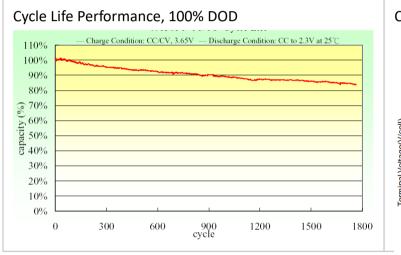
SPECIFICATION	MCB-12V460WM	MCB-12V230WS	
System Backup (wh)	460Wh	230Wh/460W	
Nominal Voltage (v)	12V		
Output Voltage (v)	12V / 19V / 5V(USB)	12V	
Output Power (w)	12V(250W)/19V(100W)/5V(10w) Total Current < 20A	12V(250W) Total Current <10A	
Nominal Capacity(C/5@25°C)	36 Ah	18 Ah/36 Ah	
Capacity display	5 LED or PC	5 LED	
Dimension (mm) 尺寸	L197*W131*H175 mm		
Weight	< 7 kg	< 4.8 /6.8kg	
Auto wakeup	By wakeup button or charge		
Communication	RS232	RS232	
Record	SD card		
BMS Protection	OVP , LVP , OTP , OCCP , ODCP		
Short Protection	BMS and Fuse		
Max. Charge Current	< 20A	< 10A	
Charge Voltage	14.6V ±0.2V		
Cell cycle life @C/2 discharge	2000 cycles, 100%DOD@25°C		
Cell cycle life @ 1C discharge	8000cycles, 20%DOD@25°C		
Discharge temperature range	-20°C to 75°C		
Charge temperature range	0°C to 55°C		
Storage temperature range	-40°C to 55°C		
IP rating	IP40		
Technology	LiFePO4		

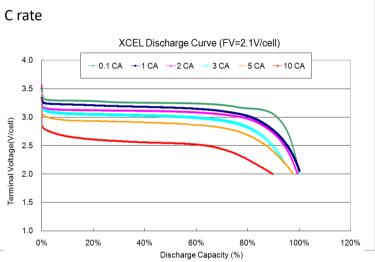
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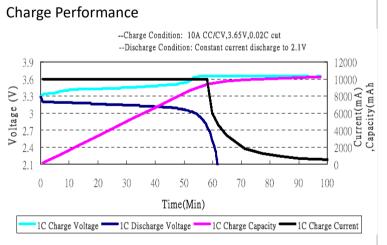
Key Features:

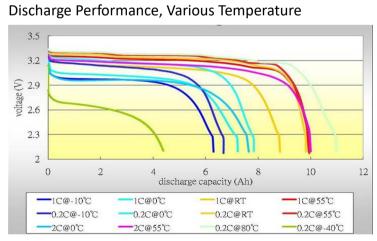
- High cycles, over 2000 cycles at 80% DOD.
- Continue high energy output, high rate at 2C. (for Cell)
- Built-in automatic protection for over-charge & over-discharge.
- Internal cell balancing. No battery management system required.
- 5 LED for capacity level indicator. (option)
- Internal Shorting Protective Circuitry.

- Communication of monitored data via Battery Management System (BMS)
- Can be charged using most standard chargers
- Fast recharge, can be fully recharged in 1.5~2 hours (option)
- Light weight, 1/2 compare to lead acid battery
- External replaceable fuse for added safety and protection











MCB Battery Series

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SPECIFICATION	MCB-140EX-BL	MCB-220FS-SL	MCB-320NP-EXT	
Nominal Voltage	12V			
Nominal Capacity(C/5@25°C) Ah	12 Ah	18 Ah	25 Ah	
Nominal Capacity(C/5@25°C) Wh	140 Wh	220 Wh	320 Wh	
Output Voltage (V)	5V, 12V/16V/19V (optional)			
Communication (to PC)	RS232 (USB)			
Battery Weight (kg)	< 3.6 kg	< 6.5 kg	< 5.1 kg	
Dimension (L*W*H mm)	210*180*110mm	330*240*75mm	210*132*165mm	
Specific Energy(Cell)	121Wh/kg			
Max. cont. discharge@25°C	<12A	<20A	<20A	
Max. pulse discharge(1s)@25°C	15A	25A	25A	
Discharge cut-off voltage@25°C	11.2V			
Charge Current (Built-in charger:	< 10A	< 10A	<20A	
AC110~240V, 50/60Hz)	External charger	Built-in charger	External charger	
Charge Voltage	14.6V ±0.1V			
Cycle life at 0.5C discharge, 80%DOD@25°C	2000			
Cycle life at 1C discharge, 20%DOD@25°C	8000			
Discharge temperature range	-20°C to 75°C			
Charge temperature range	0°C to 55°C			
Storage temperature range	-40°C to 55°C			
Technology	LiFePO4			

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