



## Application Scenarios

UFO LiFePO4 battery is tailored for solar storage system and is a new generation of green energy with advantages of high energy density, ultra-long cycle life, well temperature property, excellent safety property, high reliability, suitable for large - scale station and residential energy storage system

## Key characteristic

- ▣ High energy density: more energy with less weight and footprint
- ▣ High charge and discharge currents (short charge period)
- ▣ Long battery (up to 3 times the battery life of a conventional battery)
- ▣ High efficiency between charging and discharging
- ▣ Higher continual power available
- ▣ Wide operating temperature. Predictable end of life due BMS controller
- ▣ Choose different inverter protocol directly from software

## Smart BMS Protection

- ▣ Cell voltage monitoring
- ▣ Charge/discharge current monitoring
- ▣ Hardware & Software double protection
- ▣ Discharge control
- ▣ Charge control
- ▣ Balance
- ▣ Temperature Monitoring
- ▣ Work Status Indication LCD & LED lamp
- ▣ PACK Voltage Monitoring
- ▣ Failure alarm
- ▣ Dry contact



### UFO LifePO4 BATTERY SPECIFICATIONS

#### BASIC SPECIFICATION

	2.4Kwh	4.8Kwh	7.2Kwh	9.6Kwh
Nominal Voltage [V]	48V	48V	48V	48V
Nominal Capacity [Ah]	50	100	150	200
Width [mm]	442	442	440	440
Height [mm]	130	130	265	265
Depth [mm]	400	450	520	520
Net Weight [Kg]	31kg	42kg	70kg	82kg
IP Level	22			

#### ELECTRICAL SPECIFICATION

Output Power [W]	2.4Kw	4.8Kw		
Voltage Window [V]	42~54.7			
Charge Voltage [V]	51.7~54.7			
Max. Charge / Discharge Current [A]	50A	100A		
Recommend Charge Current [A]	0.2C 10A	0.2C 20A	0.2C 30A	0.2C 40A
Charge Mode	CC-CV			
Scalability	15 PCS Up to 36Kwh/72Kwh/108Kwh/144Kwh			

#### OTHERS

Communication	CAN/ RS485/ RS232/ Dry Contact			
Charge Temperature	0 - 55 °C			
Discharge Temperature	-20 - 60 °C			
Temperature & Period Storage	12 Months @-10~35°C 3 Months @-10~45°C 7 day @-20~65°C			
Designed Life	10+Years			
Cycle Life	More than 6000 Cycles @25°C 0.2C 80%DOD			
Certification Standard	CE/UN38.3/ROHS			

## Screen is optional

- Battery Capacity
- Battery Voltage
- Battery SOC
- Charge & Discharge Current
- Battery Status
- Protection Status
- Cycle Account
- Cells Voltage
- Cells Temperature
- BMS Temperature
- Environment Temperature
- Choose different inverter protocol directly from software



## Battery Panel



## PC Software Monitoring