



UFO POWER TECHNOLOGIES

Solar Battery System 48V Series





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

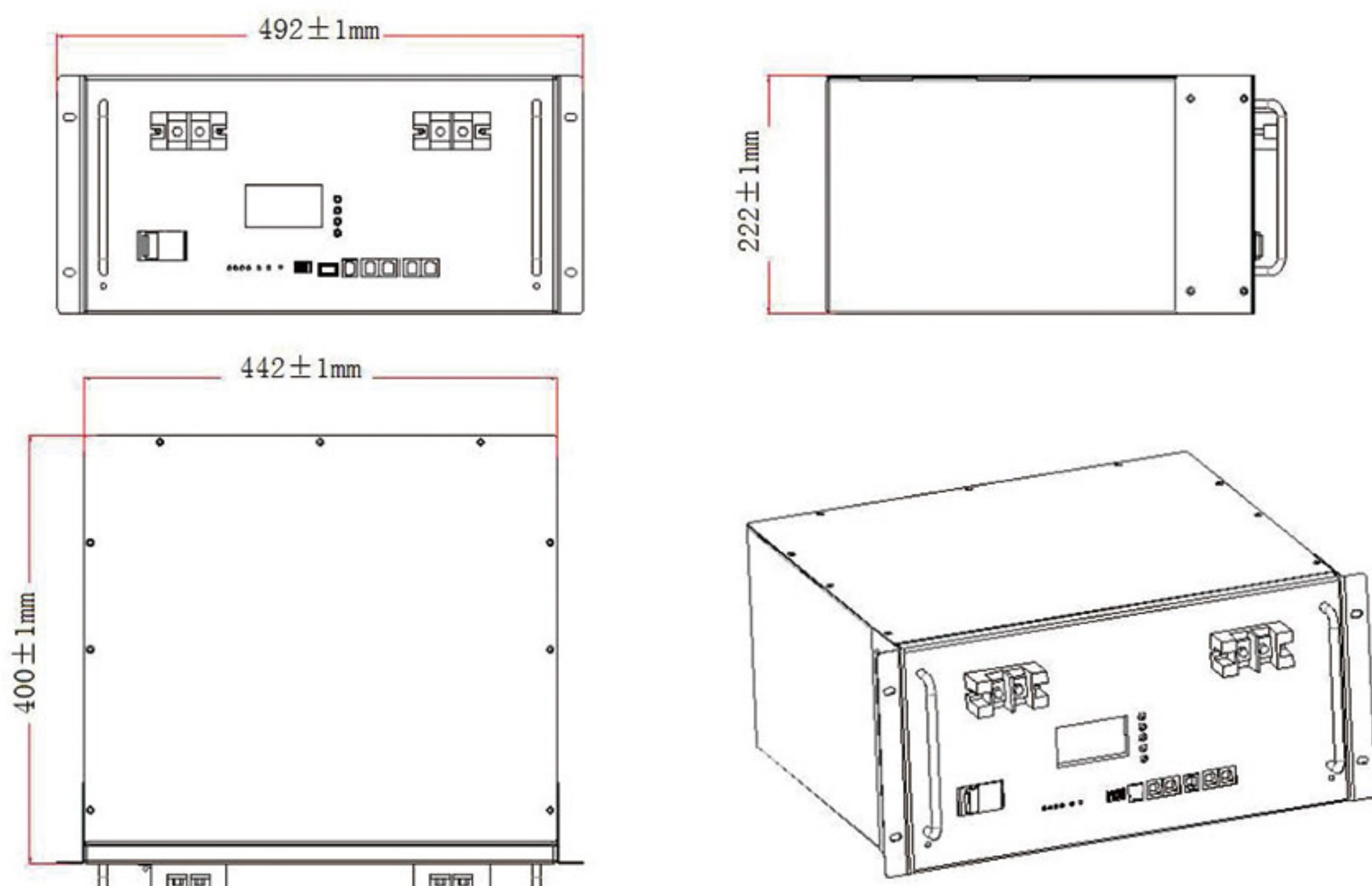
Key characteristic

- 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

Overall dimensions



UFO LifePO4 BATTERY SPECIFICATIONS

BASIC SPECIFICATION	
	4.8Kwh
Nominal Voltage [V]	48-51V
Nominal Capacity [Ah]	100
Width [mm]	400
Height [mm]	442
Depth [mm]	222
Net Weight [Kg]	45kg
IP Level	22
ELECTRICAL SPECIFICATION	
Output Power [W]	4.8Kwh
Voltage Window [V]	37.5~55.5
Charge Voltage [V]	53.5~55.5
Max. Charge / Discharge Current [A]	100A
Recommend Charge Current [A]	0.2C 20A
Charge Mode	CC-CV
Scalability	15 PCS Up to 72Kwh
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	6000 Cycles @25°C 0.2C 80%DOD
Certification Standard	CE/UN38.3/ROHS