



**UFO**  
**BATTERY**



# UFO POWER TECHNOLOGIES

SOLAR SYSTEM POWER WALL BATTERY







SOLAR ENERGY  
**POWER STORAGE WALL**  
 Lithium Battery

## Application Scenarios

UFO LiFePO4 Power Wall 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
- ▣ High charge and discharge currents
- ▣ Long Life Span
- ▣ Easy installation
- ▣ Higher continual power available.
- ▣ Intelligent Management-Built-in Smart BMS
- ▣ LCD Display
- ▣ Choose different inverter protocol directly from software

## Smart BMS Protection

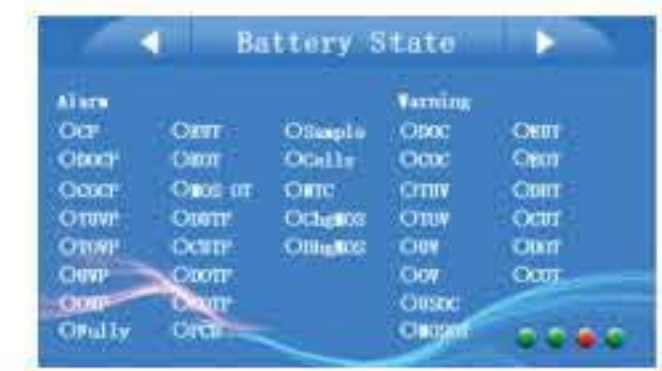
- ▣ Cell voltage monitoring
- ▣ Charge/discharge current monitoring
- ▣ Hardware & Software double protection
- ▣ Discharge control
- ▣ Charge control
- ▣ Balance
- ▣ Temperature Monitoring
- ▣ Work Status Indication LCD & LED lamp
- ▣ PACK Voltage Monitoring
- ▣ Failure alarm
- ▣ Dry contact

UFO LifePO4 BATTERY SPECIFICATIONS				
BASIC SPECIFICATION				
	2.4Kwh	4.8Kwh	7.2Kwh	9.6Kwh
Nominal Voltage [V]	48	48	48	48
Nominal Capacity [Ah]	50	100	150	200
Width [mm]	450	485		
Height [mm]	370	650		
Depth [mm]	200	200	200	250
Net Weight [Kg]	31	55	77	92
IP Level	22	22	22	22
ELECTRICAL SPECIFICATION				
Output Power [W]	2.4Kwh	4.8Kwh		
Voltage Window [V]	37.5~55.5			
Charge Voltage [V]	53.5~55.5			
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	6000 Cycles @25°C 0.2C 80%DOD			
Certification Standard	IEC62619/TUV/UN38.3/ROHS			

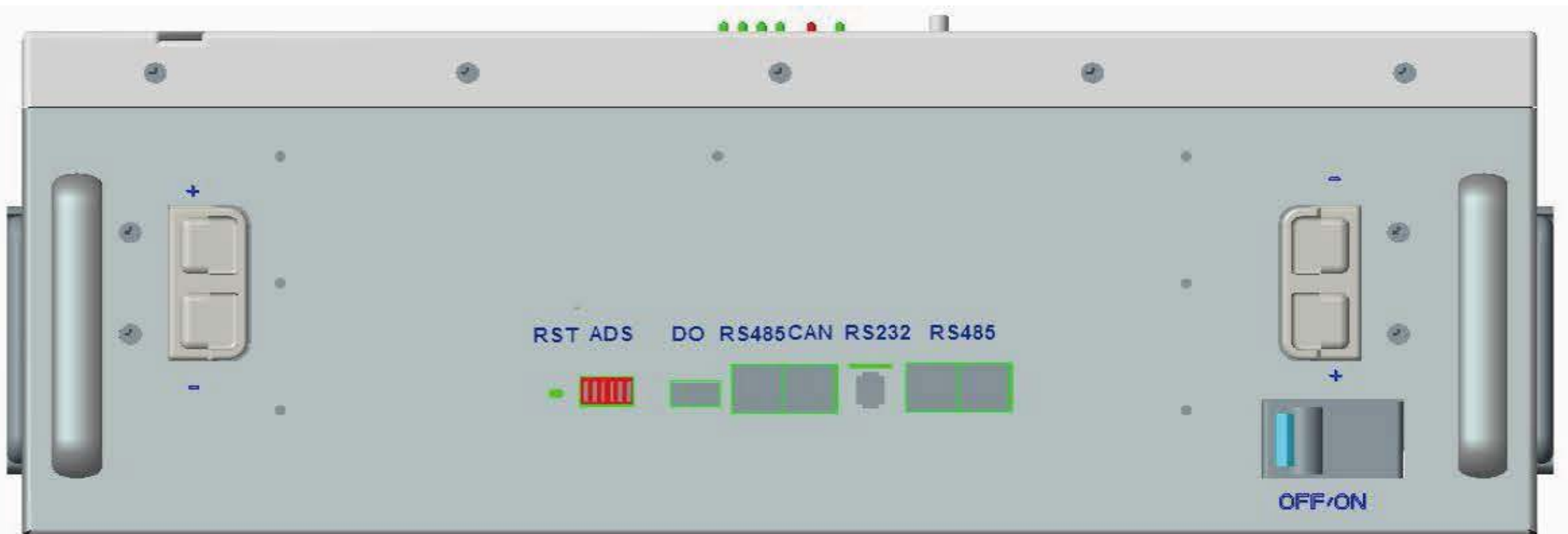


## Touch LCD Display

- Battery Capacity
- Battery Voltage
- Battery SOC
- Charge & Discharge Current
- Battery Status
- Protection status
- Cycle account
- Cells Voltage
- Cells temperature
- BMS Temperature
- Environment Temperature



## Battery Panel



## PC Software monitoring

**Pack Information**

- Pack Voltage: [ ] V
- Pack Current: [ ] A
- SOC: [ ] %
- SOH: [ ] %
- RemainCapacity: [ ] mAh
- FullCapacity: [ ] mAh
- Battery Cycle: [ ]

**Temperature**

- MOS\_T: [ ] °C
- ENV\_T: [ ] °C

**Cell Voltage (mV)**

- MaxVolt: [ ] MinVolt: [ ] VoltDiff: [ ]
- Vcell 1 to Vcell 16: [ ]

**Serial Port**

- Port: COM6 Baud Rate: 9600 Auto Display: [ ]
- Pack I: [ ] Pack Qty: 1 Open: [ ]
- ADDR: [ ] Interval(S): 1 Try Connect: [ ]

**System Status**

- CHARGING-OFF CHARGING CHG-LIMIT-OFF ACIn
- DISCHARGING-OFF DISCHARGING HEATER-OFF Fully

**Alarm Status**

**Protect Status**

**Fault Status**

**Switch Control**

- CHG Circuit: Open Sound Alarm: Open
- DSG Circuit: Open LED Alarm: Open Shutdown: Off

VER: [ ] BMS S/N: [ ] PACK S/N: [ ] COMM: [ ] 16:07:34 2021/03/09

