



UFO 5Kwh 7Kwh 10Kwh Specifications

BASIC SPECIFICATIONS

	4.8Kwh	7.2Kwh	9.6Kwh
Nominal Voltage [V]	48V		
Capacity [Ah]	100Ah	150Ah	200Ah

MECHANICAL SPECIFICATIONS

Width [mm]	485		
Height [mm]	650		
Depth [mm]	180		
Weight [Kg]	55	73	92
IP Level	IP20		

Electrical Specifications

Voltage Window [V]	40.5~54		
Charge Voltage [V]	54.0-54.8V		
Charge-discharge Current[A]	100		
Charge Mode	CC-CV		
Output Power [W]	5KW		
Re-charge Time [h]	100A*1 Hour (Standard Charge)		

Discharge Time up to Different Demands

Discharge Power

2h*[W]	2400	3600	4800
4h*[W]	1200	1800	2400
8h*[W]	600	900	1200

Working Condition

Life @25°C	>10 Years
Cycle Life [80%DOD,@20°C]	>6000 Times
Working Temperature	-20°C~+60°C
Regular Transportation	UN38.3
Temperature & Period for Storage	6 Months @+25°C 3 Months @+35°C 1 Months @+45°C

Introduction Summary

UFO energy storage unit based on UFO LiFePO4 battery is tailored for storage equipment 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 household energy storage system.

Characteristics

- Parallel connection is available
- Life >10 years @25°C
- Built-in battery controller
- Provide all-around communication functions
- Compatible with standard telecommunication equipment
- Meet ROHS standards

Advantage

- High energy density
- No need for refrigeration equipment
- High operation reliability
- Long service life.
- Easy installation
- Intelligent Management
- Scalability





Smart Battery Management System

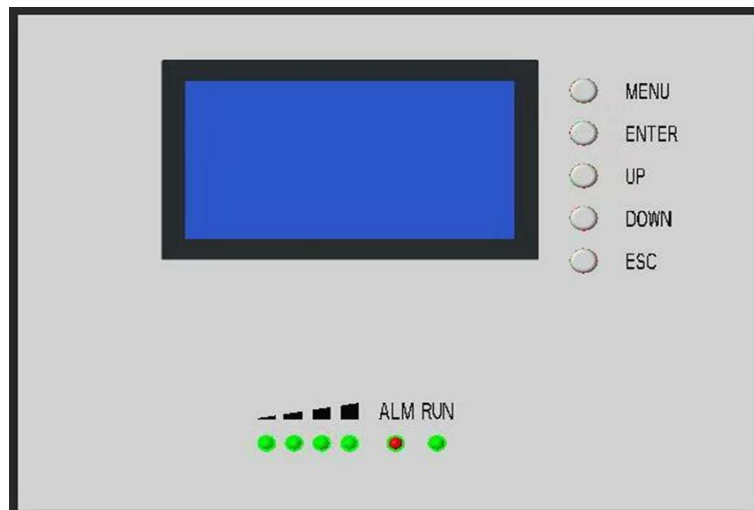
- Cell voltage monitoring
- Charge/discharge current monitoring
- Hardware protection
- Discharge control
- Charge control
- Balance
- Temperature Monitoring
- Work Status Indication LCD &LED lamp)
- PACK Voltage Monitoring
- Failure alarm
- Multiple batteries can be connected in
- Max. parallel <20sets

Communication Function

Communication interface (RS232&RS485), battery working status (current, voltage, and temperature etc.) is reported to master computer of customer side

Industrialization

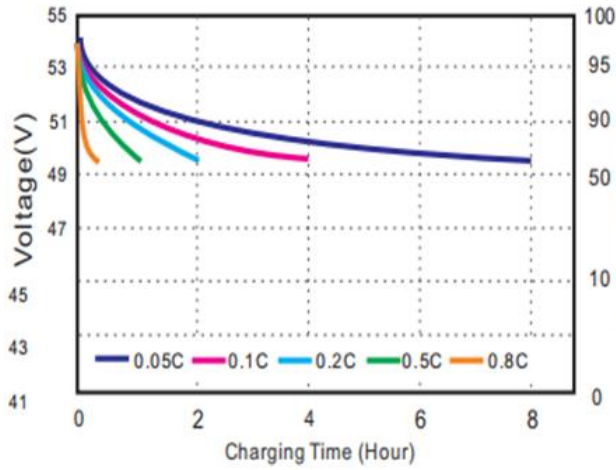
- The development of energy storage unit is suitable for end consumer of household, manufacture and industry that pursuing property and reliability.
- Smart BMS are all produced by UFO.
- The production equipment is in accordance with requirements of laws and regulations of oversea countries as well as international quality standard (ISO9001)



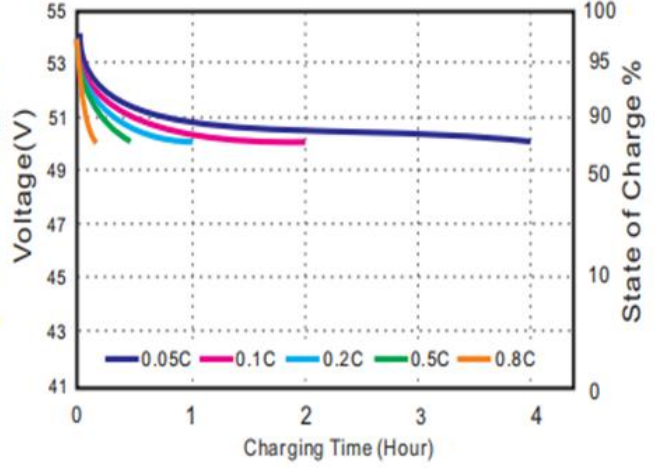


Charge/Discharge Curve in Different Rate

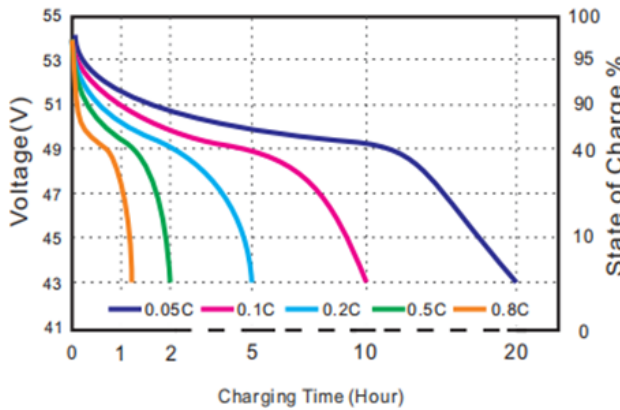
● Different Rate Discharge Curve @40%DOD



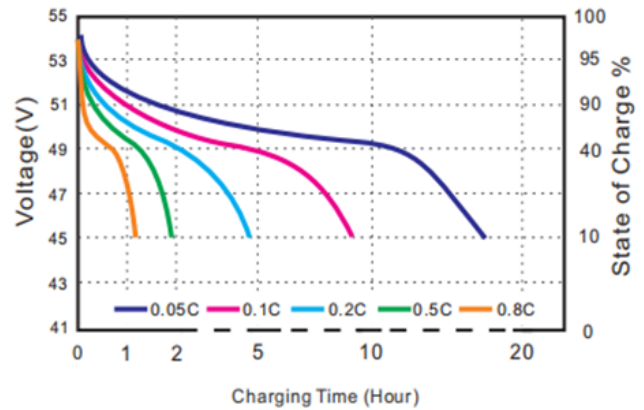
● Different Rate Discharge Curve @20%DOD



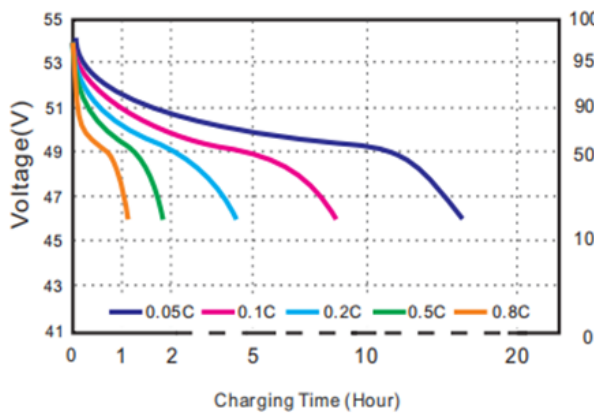
● Different Rate Discharge Curve @95%DOD



● Different Rate Discharge Curve @90%DOD



● Different Rate Discharge Curve @80%DOD



● Different Rate Discharge Curve @60%DOD

