

LiFePO4 BATTERY

ALL IN ONE -STACKABLE BATTERY WITH OFF-GRID SOLAR INVERTER

UIC-5kW+5.12kWh~25.6kWh

UIC-10kW+10.24kWh~25.6kWh



LONG LIFE
> 6000 cycles



HIGH SAFETY
A+ grade high-quality LiFePO4 lithium battery



MODULAR STACK DESIGN
Max 15pcs Stackable in parallel to 76.8Kwh



STABLE DESIGN
Load bearing design for stable placement



Datasheet	UIC 5kW+5.12kWh	UIC 5kW+10.24kWh	UIC 5kW+15.36kWh	UIC 5kW+20.48kWh	UIC 5kW+25.6kWh	UIC 10kW+10.24kWh	UIC 10kW+15.36kWh	UIC 10kW+20.48kWh	UIC 10kW+25.6kWh
Single Module Capacity	5.12kWh								
Module Number	1PCS	2PCS	3PCS	4PCS	5PCS	2PCS	3PCS	4PCS	5PCS
Capacity	5.12kWh	10.24kWh	15.36kWh	20.48kWh	25.6kWh	10.24kWh	15.36kWh	20.48kWh	25.6kWh
Nominal Voltage	51.2V								
Operating Voltage Range	43.2V~57.6V								
Rated Discharge Current	100A								
Rated Charge Current	50A								
Cycle Life (90% DOD)	> 6000								
Installation Method	Stacked								
Weight(Module)	43kg								
Voltage	500VDC								
Working Voltage Range	120~450VDC					90~450VDC			
Input Power	5500W					PV1:5400W/PV2:5400W			
Max Input Current	22A					PV1:18A/PV2:18A			
Max Charging Current	30A					50A			
Rated Input Voltage	220/230VAC								
Rated Input Voltage Range	UPS:(170~280)VAC ±2%, APL:(90~280)VAC ±2%					170~280VAC			
Frequency	50Hz/60Hz								
Max Bypass Overload Current	30A					50A			
Rated Output Voltage	230VAC								
Rated Output Power	5000W					10200W/3400W (Battery Mode)			
Dimension	550*500*446mm	550*500*631mm	550*500*816mm	550*500*1001mm	550*500*1186mm	550*500*631mm	550*500*816mm	550*500*1001mm	550*500*1186mm
IP Rating	IP20								
Communication	CAN/RS485/RS232/WIFI (Optional)								
Operating Temperature	0~55 °C								
Storage Temperature	-20~55°C								
Humidity	≤80%								
Certification	CE/UL/FCC/UN38.3/MSDS								

Xiamen Universe Digital Energy Tech Co., Ltd.

Tel: +86 592-5663849 Email: info@uienergies.com Web: www.uienergies.com

