

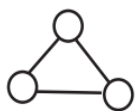
# UNIV LBS Series

## Lithium Energy Storage Battery

This is a low-voltage battery with excellent performance that supports parallel connection of multiple modules. It supports both household and commercial use, has stable reliability in various situations. This product has good compatibility so as to communicate with major inverter brands, like Solis, Deye, Growatt, Voltronic etc. In terms of installation and storage, it is small in size and can be placed in cabinets of various specifications. At the same time with more than 10 yrs of deep cycle, for your long-term development escort



## Features



Cell Balance  
function



Voltage  
Protection



Over Charge  
Protection



Over Discharge  
Protection



Over Current  
Protection



Short-circuit  
Protection



Temperature  
Protection



Soft Start  
Function

# UNIV LBS Series



## Model

**LBS-2400**

**LBS-4800**

## Basic Parameters

Nominal Voltage (Vdc)	51.2	48
Nominal current(A)	50	100
Total Energy(kWh)	2.59	5.04
Usable Capacity(kWh)	2.22	4.68
Dimension(mm)	442*135*510	442*135*443
Weight(kg)	27.5	45
Nominal charge/discharge power(kW)	1.2	2.4
Efficiency(%)	>97	
Peak power(only discharging)	3.5kW for 3sec	6kW for 3sec
Peak discharge current(A)	25	50
Max.recommended DOD(%)	90	
Operating Condition	Indoor	
Working Temperature/ °C	Charge	0~45
	Discharge	-10~55
Installation	Cabinet/Wall mouning	
Max number of parallel connection	16	
Protection grade	IP20	
Cooling type	Natural	
Warranty(year)	5+5	
Design life(year)	10+	
Communication	CAN/RS485	
Protecyion mode	Triple hardware protection	
Battery protection	Over-current / Over-voltage/Short circuit/Low voltage	
Safety	Battery Pack: IEC62619,IEC 62040/ CE	
Transportation	UN38.3	

\*: The recommended and max. continuous operation current is for a battery cell temperature within 10~40°C to consider, out of such temp. range will cause a derating



## Model

LBS-10k

### Basic Parameters

Nominal Voltage (Vdc)	48
Nominal current(A)	206
Total Energy(kWh)	9.88
Usable Capacity(kWh)	9.28
Dimension(mm)	448*190*600
Weight(kg)	75
Nominal charge/discharge power(kW)	4.6
Efficiency(%)	>97
Peak power(only discharging)	9.6 kW for 3sec
Peak discharge current(A)	100
Max.recommended DOD(%)	90
Operating Condition	Indoor
Working Temperature/ °C	Charge 0~50 Discharge -10~55
Installation	Cabinet/Wall mouning
Max number of parallel connection	16
Protection grade	IP20
Cooling type	Natural
Warranty(year)	5+5
Design life(year)	10+
Communication	CAN/RS485
Protecyion mode	Triple hardware protection
Battery protection	Over-current / Over-voltage/Short circuit/Low voltage
Safety	Battery Pack: IEC62619,IEC 62040/ CE
Transportation	UN38.3

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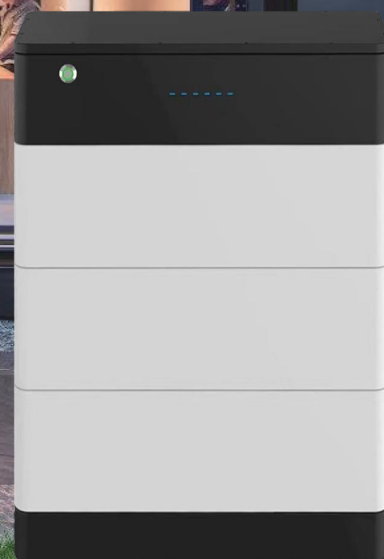


# UNIV Modular Series

## Lithium Energy Storage Battery

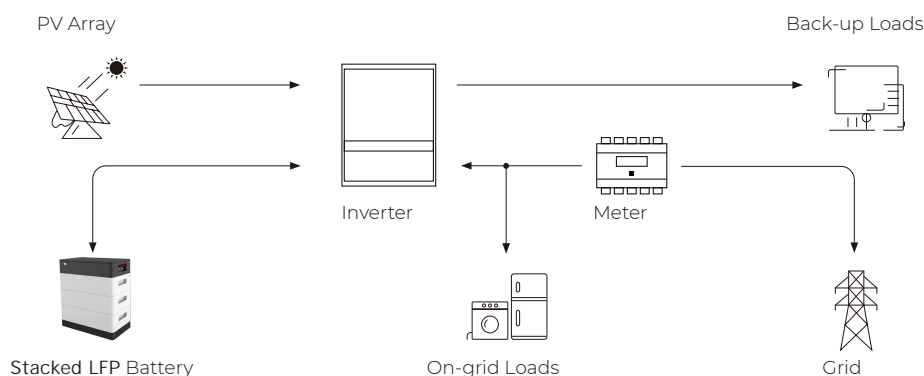
This is a low-voltage modular lithium battery system with independent BMS, for flexible capacity expanding and easy installation, supports up to 7 modules stacking for capacity expansion, cable-free connection between modules. Furthermore it has good communication compatibility with major inverter brands, such as Solis, Deye, Growatt, Voltronic etc.

No exaggeration to say this low voltage modular lithium battery is the best choice for your home energy storage system.



## Features

1. Easy installation - Plug & Play
2. Flexible - Cable-free connection between modules
3. Easy capacity expansion
4. High inverter compatibility
5. 5+5 Years Warranty



# UNIV Modular Series(Low Voltage)



Model	UNIV-LV ST 4.8K	UNIV-LV ST 9.6K	UNIV-LV ST 14.4K	UNIV-LV ST 19.2K	UNIV-LV ST 24K	UNIV-LV ST 28.8K	UNIV-LV ST 33.6K
Basic Parameters							
Nominal Voltage (Vdc)	48	48	48	48	48	48	48
Nominal Capacity	100ah	200ah	300ah	400ah	500ah	600ah	700ah
Total Energy(kWh)	4.8kwh	9.6kwh	14.4kwh	19.2kwh	24kwh	28.8kwh	33.6kwh
Usable Energy (kWh)	4.6	9.2	13.8	18.4	23	27.6	32.2
Dimension(mm)W*H*D	650×190×340	650×380×340	650×570×340	650×760×340	650×950×340	650×1140×340	650×1330×340
Weight(kg)	49	95	141	187	233	279	325
Nominal charge/discharge power(A)	50	100	150	175	175	175	175
Nominal Power(kW)	2.4	4.8	7.2	8.4	8.4	8.4	8.4
Efficiency(%)	90						
Cell Type	LFP (LiFePO4)						
Relative Humidity	0 ~ 95%						
Operating Condition	Indoor						
Working Temperature/ °C	Charge	0~50					
	Discharge	-10~50					
Installation	Free standing / Wall mounting						
Protection grade	IP54						
Cooling type	Natural						
Design life(year)	10+						
Communication	CAN/RS485						
Protection mode	Triple hardware protection						
Battery protection	Over-current / Over-voltage/Short circuit/Low voltage/						
Safety	IEC62619, IEC62040, CEC,CE, RCM						
Transportation	UN38.3						

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# UnivSeries

## Lithium Energy Storage Battery

This is a low-voltage battery with excellent performance that supports parallel connection of multiple modules. One specially designed for home use, with good waterproof performance and support for wall mounting. This product has excellent performance in both off-grid systems and hybrid systems, especially when carrying general household loads. It has good compatibility so as to communicate with major inverter brands, such as Solis, Deye, Growatt, Voltronic etc. No exaggeration to say that it is the best choice for your home system.



## Features

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1. Smart BMS with digital monitoring system
2. High inverter compatibility
3. Reliable LFP cells
4. CANBus standard connection
5. Optional bluetooth Module
6. Support capacity expansion ( Max 16 in Parallel)
7. 10 Years limited warranty

# UNIV LBS Series



Model	UNIV LBS-3.6K LV	UNIV LBS-4.8K LV
Basic Parameters		
Nominal Voltage (Vdc)	48	48
Nominal Capacity	75ah	100ah
Total Energy(kWh)	3.6kwh	4.8kwh
Usable Energy (kWh)	3.4	4.6
Cell Type	LFP (LiFePO4)	
Dimension(mm)W*H*D	500 × 600 × 180	
Weight(kg)	41	57
Nominal charge/discharge power(A)	35	50
Efficiency(%)	90	
Nominal Power(kW)	2.07	2.88
Relative Humidity	0 ~ 95%	
Operating Condition	Indoor	
Working Temperature/ °C	Charge	0~50
	Discharge	-10~50
Installation	Free standing / Wall mounting	
Protection grade	IP54	
Cooling type	Natural	
Design life(year)	10+	
Communication	CAN/RS485	
Protection mode	Triple hardware protection	
Battery protection	Over-current / Over-voltage/Short circuit/Low voltage/	
Safety	IEC62619, IEC62040, CEC,CE, RCM	
Transportation	UN38.3	

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# UNIV LBS Series



Model		UNIV LBS-7.2K LV	UNIV LBS-10K LV	UNIV LBS-12.3K LV
Basic Parameters				
Nominal Voltage (Vdc)		48	48	51.2
Nominal Capacity		150ah	206ah	240ah
Total Energy(kWh)		7.2	10	12.3
Usable Energy (kWh)		6.8	9.6	11.9
Cell Type			LFP (LiFePO4)	
Dimension(mm)W*H*D			530 × 700 × 230	
Weight(kg)		62	82	95
Nominal charge/discharge power(A)		70	100	120
Efficiency(%)			90	
Nominal Power(kW)		4.15	5.76	6.91
Relative Humidity			0 ~ 95%	
Operating Condition			Indoor	
Working Temperature/ °C	Charge	0~50		
	Discharge	-10~50		
Installation		Free standing / Wall mounting		
Protection grade			IP54	
Cooling type			Natural	
Design life(year)			10+	
Communication			CAN/RS485	
Protection mode			Triple hardware protection	
Battery protection		Over-current / Over-voltage/Short circuit/Low voltage/		
Safety			IEC62619, IEC62040, CEC,CE, RCM	
Transportation			UN38.3	

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# UNIV LBS Series



Model		UNIV LBS-15.3K LV	UNIV LBS-17.4K LV	UNIV LBS-20.5K LV
Basic Parameters				
Nominal Voltage (Vdc)		51.2	51.2	51.2
Nominal Capacity		300ah	340ah	400ah
Total Energy(kWh)		15.3	17.4	20.5
Usable Energy (kWh)		14.7	16.6	19.7
Cell Type			LFP (LiFePO4)	
Dimension(mm)W*H*D			650 × 950 × 380	
Weight(kg)		171	197	217
Nominal charge/discharge power(A)		150	170	175
Efficiency(%)			90	
Nominal Power(kW)		8.64	9.96	11
Relative Humidity			0 ~ 95%	
Operating Condition			Indoor	
Working Temperature/ °C	Charge	0~50		
	Discharge	-10~50		
Installation		Free standing / Wall mounting		
Protection grade		IP20		
Cooling type		Natural		
Design life(year)		10+		
Communication		CAN/RS485		
Protection mode		Triple hardware protection		
Battery protection		Over-current / Over-voltage/Short circuit/Low voltage/		
Safety		IEC62619, IEC62040, CEC,CE, RCM		
Transportation		UN38.3		

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