

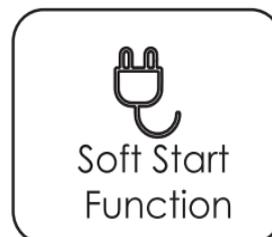
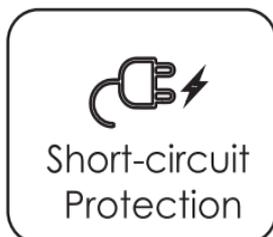
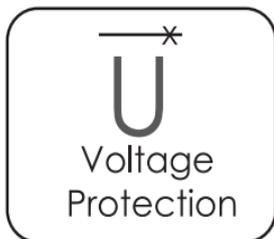
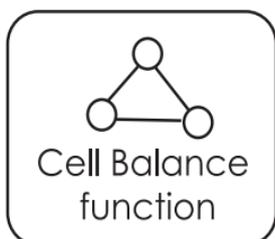
UNIV LBS Series

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



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



LBS-10k

Model

| 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 | |

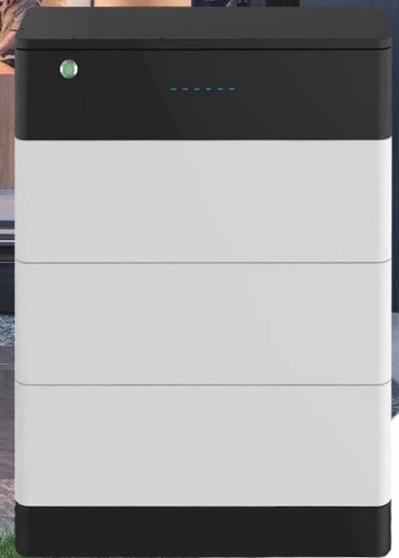
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UNIV Modular Series

Lithium Energy Storage Battery

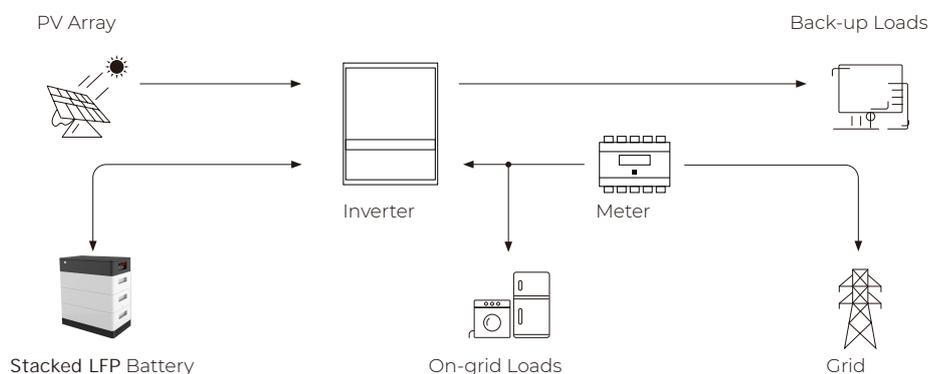
This is a low-voltage modular lithium battery system with independent BMS, for flexible capacity expanding and easy installation, supports up to 7 modules stacking for capacity expansion, cable-free connection between modules. Furthermore it has good communication compatibility with major inverter brands,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



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

| 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 | | | | | | |
| | Discharge | | | | | | |
| 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 | | | | | | |

*: 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 on operation current.

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

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 | | |

*: 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 on operation current.