



I-BAN International Corp

Keep your energy

IBAN Powerwall LiFePo4 Battery

IBAN PBS powerwall LiFePo4 battery pack with its integrated design and wall mount installation, provides stable and reliable power output for energy storage, and off-grid systems.



Features

- 10 years cycle life design
- Widely operating temperature range
- IP54 for outdoor design
- CAN, RS232, RS485 communication output for monitoring
- <3% Self-discharging for 30 days storage@25°C

Data sheet

Item	PBS 48100	PBS 48200
Nominal Voltage	51.2V	51.2V
Battery Rated Capacity	100Ah (0.2C)	200Ah@0.2C
Max. Charging Current	100A	100A
Max. Discharging Current	100A	100A
End Charging Voltage	58.4V	58.4V
End Discharging Voltage	40V	43.2V
Operating Temperature	-5°C ~ 55°C (Charge) -20°C ~ 60°C (Discharge)	0°C ~ 55°C (Charge) -20°C ~ 60°C (Discharge)
Storage Temperature		-20~40°C (in 1 month) -15~35°C (in 6 months)
Waterproof Level		IP54
Communication		CAN, RS232, RS485
Cycle Life	6,000 cycles≥80% (standard charge and discharge)	
Dimension (W*D*H)	600mm*520mm*165mm	730mm*570mm*165mm
Weight	54kg	86kg

IBAN Rack Mount LiFePo4 Battery

IBAN 48V series LiFePO4 batteries with its integrated design and standard cabinet installation, provides stable and reliable power output for communication base station power, energy storage, and off-grid systems.



Features

- 10 years cycle life design
- Widely operating temperature range
- IP54 for outdoor design
- CAN, RS232, RS485 communication output for monitoring
- <3% Self-discharging for 30 days storage@25°C

Data sheet

Item	EBS 48100	EBS 48200
Nominal Voltage	51.2V	51.2V
Battery Rated Capacity	100Ah (0.2C)	200Ah@0.2C
Max. Charging Current	100A	100A
Max. Discharging Current	100A	100A
End Charging Voltage	58.4V	58.4V
End Discharging Voltage	40V	40V
Operating Temperature	-5°C ~ 55°C (Charge) -20°C ~ 60°C (Discharge)	-5°C ~ 55°C (Charge) -20°C ~ 60°C (Discharge)
Storage Temperature	-20~40°C (in 1 month) -15~35°C (in 6 months)	
Waterproof Level	IP54	
Communication	CAN, RS232, RS485	
Cycle Life	6,000 cycles≥80% (standard charge and discharge)	
Dimension (W*D*H)	475mm*500mm*155mm	520mm*500mm*236mm
Weight	47kg	85kg

IBAN Stacked Low Voltage LiFePo4 Battery

IBAN SBS stack mounted low voltage LiFePo4 battery pack with its integrated design and stack mounted installation, provides stable and reliable power output for energy storage, and off-grid systems.



Features

- 10 years cycle life design
- Widely operating temperature range
- Stacking design, easy installation
- CAN, RS232, RS485 communication output for monitoring
- <3% Self-discharging for 30 days storage@25°C

Data sheet

Item	SBS 48100 (5pcs parallel connection)
Nominal Voltage	51.2V
Battery Rated Capacity	500Ah (0.2C)
Max. Continuous Charging Current	100A
Max. Continuous Discharge Current	100A
End Charging Voltage	58.4V
End Discharging Voltage	40V
Operating Temperature	0°C ~ 55°C (Charge) -20°C ~ 55°C (Discharge)
Storage Temperature	10~50°C
Waterproof Level	IP20
Communication	CAN, RS232, RS485
Cycle Life	6,000 cycles≥80% (standard charge and discharge)
Dimension (W*D*H)	500mm*600mm*984mm
Weight	230kg

IBAN Stacked High Voltage LiFePo4 Battery

IBAN SBS stack mounted high voltage LiFePo4 battery pack with its integrated design and stack mounted installation, provides stable and reliable power output for energy storage, and off-grid systems.



Features

- 10 years cycle life design
- Widely operating temperature range
- Stacking design, easy installation
- CAN, RS232, RS485 communication output for monitoring
- <3% Self-discharging for 30 days storage@25°C

Data sheet

Item	SHBS 4850 (8pcs series connection)
Nominal Voltage	409.6V
Battery Rated Capacity	50Ah (0.2C)
Max. Charging Current	50A
Max. Discharge Current	75A
Total energy	20.48kWh
Output voltage range	313.6~ 403.2V
Operating Temperature	0°C ~ 55°C (Charge) -20°C ~ 55°C (Discharge)
Storage Temperature	-10~50°C
Waterproof Level	IP20
Communication	CAN, RS232, RS485
Cycle Life	3,000 cycles≥80% (standard charge and discharge)
Dimension (W*D*H)	550mm*380mm*1357mm
Weight	265kg

IBAN Telecom Backup LiFePo4 Battery

IBAN 48V series LiFePO4 batteries with its integrated design and standard cabinet installation, provides stable and reliable power output for communication base station power, energy storage, and off-grid systems.



Features

- Larger power density
- 3U height design
- Integrated BMS to protect the battery system and increase the battery life
- GGYro anti-theft and communication anti-theft (optional)
- Compatible with 16S (optional)

Data sheet

Item	EBS 4850	EBS 48100	EBS 48200
Nominal Voltage	48V	48V	48V
Nominal Capacity	50Ah@0.5C	100Ah@0.5C	200Ah@0.5C
Max. Charging Current	50A	100A	100A
Max. Discharging Current	50A	100A	100A
End Charging Voltage	55V	55V	55V
End Discharging Voltage	40.5V	40.5V	40.5V
Operating Temperature	0°C ~ 55°C (Charge)	0°C ~ 55°C (Charge)	0°C ~ 55°C (Charge)
	-20°C ~ 60°C (Discharge)	-20°C ~ 60°C (Discharge)	-20°C ~ 60°C (Discharge)
Storage Temperature	-20~45°C (in 1 month)	-20~45°C (in 1 month)	-20~45°C (in 1 month)
	15~35°C (in 6 months)	15~35°C (in 6 months)	15~35°C (in 6 months)
Design Life	≥10 year	≥10 year	≥10 year
Communication	RS232, RS485	RS232, RS485	RS232, RS485
Cycle Life	6,000 cycles	6,000 cycles	6,000 cycles
Dimension (W*D*H)	442mm*320mm*130mm	442mm*399mm*130mm	482mm*500mm*280mm
Weight	23kg	39kg	80kg

IBAN Intelligent LiFePo4 Battery

IBAN 48V intelligent LiFePO4 batteries with its integrated design and standard cabinet installation, Available for mixed usage with lead-acid batteries and batteries with different capacity, Intelligent remote direct current pressurization, reduces pressure drop, Paralleled multi-console automatic equalizing charge.



Features

- Supports mixed with lead-acid batteries, and batteries of different capacities
- DC remote supply intelligent booster reduces, reduces line loss
- Multiple groups of parallel active current sharing
- GGYro anti-theft and communication anti-theft (optional)
- Compatible with 16S (optional)

Data sheet

	EBS 48100A1	EBS 48150A1
Nominal Voltage	48V	48V
Nominal Capacity	100Ah@0.5C	150Ah@0.5C
Max. Charging Current	100A	100A
Max. Discharging Current	100A	100A
End Charging Voltage	55V	55V
End Discharging Voltage	40.5V	40.5V
Operating Temperature	0°C ~ 55°C (Charge)	0°C ~ 55°C (Charge)
	-20°C ~ 60°C (Discharge)	-20°C ~ 60°C (Discharge)
Storage Temperature	-20~45°C (in 1 month)	-20~45°C (in 1 month)
	15~35°C (in 6 months)	15~35°C (in 6 months)
Design Life	≥10 year	≥10 year
Communication	RS232, RS485	RS232, RS485
Cycle Life	6,000 cycles	6,000 cycles
Dimension (W*D*H)	442mm*399mm*130mm	442mm*520mm*130mm
Weight	41kg	58kg

IBAN High voltage lithium battery series

The 512V/100AH/200AH high voltage lithium battery system adopts IBAN's own lithium iron phosphate battery and self-developed BMS system, which mainly matched with the machine room UPS. It has the characteristics of high rate discharge, small size and easy expansion.



Features

- Level 3 BMS architecture, real-time monitoring system status
- Self developed 100Ah lithium iron phosphate battery cell, safe and reliable
- The maximum power of a single cabinet is 100kW, which is suitable for high-power long-term power backup
- The main cabinet of the system is equipped with a 7-inch HMI display screen as standard, which can display the monitoring in real time

Data sheet

	EBS 480100	EBS 480200
Chemical material	Lithium iron phosphate	
Nominal power (kW)	50	100
Nominal capacity (Ah)	100	200
Nominal power (kWh)	51.2	102.4
Nominal voltage (V)	512	
Charging current (A)	20-50	20-80
Fire control	Module level fire protection	
System protection	Over voltage, over current, over temperature, pack level short circuit and other protection functions	
Communication mode	RS485 CAN FE Dry contact	
Display mode	LCD display	
Cooling mode	Natural heat dissipation	
Storage capacity	45%±5%	
Operating ambient temperature (°C)	0-40	
Relative humidity	5%-95%	
Degree of protection	IP20	
Dimension (mm) W * D * H	600 * 600 * 2000	600 * 1200 * 2000
Weight (kg)	About 620kg	About 1030kg
Maintenance	From front and Back	
Wired	In & Out from top	

IBAN EVS 48200

IBAN EV Stacker LiFePO4 batteries with inter integrated design and control monitoring display, provides stable and reliable power output for EV Stachers. In addition, the product can be used in parallel to match more powerful products



Features

- High power density
- Integrated BMS to protect the battery
- Built in heating function ensures battery performance
- LCD display monitors for battery status

Data sheet

	EVS 48200
Nominal Voltage	51.2V
Nominal Capacity	200Ah@0.5C
Max. Charging Current	100A
Max. Discharging Current	200A
End Charging Voltage	58.4V
End Discharging Voltage	40V
Operating Temperature	0°C ~ 55°C (Charge)
	-20°C ~ 60°C (Discharge)
Storage Temperature	-20~45°C (in 1 month)
	15~35°C (in 6 months)
Design Life	≥10 year
Communication	RS232, CAN
Cycle Life	6,000 cycles
Dimension (W*D*H)	890mm*340mm*450mm
Weight	130kg

IBAN Outdoor Switching Power Supply

Outdoor Power System is a new generation of Wireless 5G/4G and remote RRU outdoor -48V DC Power solutions that are not restricted by the environment use. IP65 protection and no fan design. It supports pole-mounted and wall-mounted. Maintenance-free design reduces construction, operation and maintenance costs.



Features

- Transfer Efficiency > 96%
- No load drop at temperature over 55°C
- IP65 All-Weather Protection Level
- Monitor Interface: RS485 / Dry Contact
- Integrated Lithium Battery Input Interface

Data sheet

	OPS 1500	OPS 2000	OPS 3000
Outdoor Power	1500W	2000W	3000W
Input Voltage	90~264Vac	90~264Vac	90~264Vac
Half load input	110Vac	110Vac	110Vac
Rated Voltage	53.5±0.5Vdc	53.5±0.5Vdc	53.5±0.5Vdc
Output Current	30A	40A	60A
Efficiency	>96%	>96%	>96%
Lightning Prevention	8/20μs, In 20kA	8/20μs, In 20kA	8/20μs, In 20kA
Waterproof Level	IP65	IP65	IP65
Cooling method	Natural heat dissipation	Natural heat dissipation	Natural heat dissipation
Working Temperature	-40~55°C	-40~55°C	-40~55°C
Decibel	<65 dB	<65 dB	<65 dB
Dimension	320 * 200 * 92 mm	380 * 290 * 100 mm	380 * 290 * 100 mm
Weight	6kg	9kg	9kg

IBAN Telecom Embedded DC Power System

IBAN Embedded 48V DC Power systems combine high-efficiency rectification modules and solar modules, which can be paired with solar panels to charge the battery and power the system, and are compatible with IBAN lithium-iron batteries protocol, allowing you to view all battery data by the power system



Features

- Hot Swapping technique is utilized in the rectifier modules, for plug-and-use and easy maintenance.
- Operates at 96% transfer efficiency, greatly reduces the loss of energy.
- Compatible with telecom joints such as RS232/RS485, and dry contact.
- Supporting 19-inch rack and outdoor cabinet mounting
- control unit supports lithium battery and remote management functions

Data sheet

	EPS 48100	EPS 48200	EPS 48400
Input Voltage	90~300Vac	90~300Vac	90~300Vac
Output Voltage	53.5Vdc (42~58V)	53.5Vdc (42~58V)	53.5Vdc (42~58V)
Output Current	225A (MAX)	300A (MAX)	600A (MAX)
Overvoltage Protection	59Vdc	59Vdc	59Vdc
Limited Current	55A	55A	55A
System Slot	3pcs (full accessories)	4pcs (full accessories)	8pcs (full accessories)
Installation Methods	19" rack installation	19" rack installation	19" rack installation
Telecom Interface	RJ45	RJ45	RJ45
Rectifier Module	50A ; 75A	50A ; 75A	50A ; 75A
Working Temperature	-40~55°C	-40~55°C	-40~55°C
Decibel	<65 dB	<65 dB	<65 dB
Dimension	445 * 89 * 400mm	482 * 380 * 222 mm	482 * 380 * 267 mm
Weight	14kg	20kg	22kg