Fullde®
Electric

智能家居电源解决方案

Intelligent Household Power Supply Solution



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Wall-mounted Household Energy Storage Battery Box





- High safety, long life: high consistent, safe and reliable lithium iron phosphate batteries;
- Capacity expansion available: Up to 8 modules parallel connected to expand capacity;
- Compact design, small footprint, easy installation;
- Communication: CAN, RS485, and RS232;
- Integrated design, beautiful green products, non-toxic and non-polluting;
- Can be matched with premium brand inverters. For example, Victron, Voltronic, SMA, Aiswei, Studer, Goodwe, Growatt, etc;

Model	B100S16-F	B200S16-F
Cell type	EVE-LFP square battery cell	
Cell specifications	3.2V100Ah	
Qty of battery modules	1~8 parallel connections available	
Rated capacity	100Ah	200Ah
Rated total energy	5.12kWh	10.24kWh
Rated voltage	51.2V	
Electrical parameters		
Voltage range	43.2~58.4V	
Charge current	0.5C@ lasts	
Max. charge current	1C@ pulse	
Discharge current	0.5C@ lasts	
Max.discharge current	1C@ pulse	
Structural parameters		
Weight	41KG	80KG
Dimension (H* W * D)	490x360x170 MM	720x450x170 MM
Ingress Protection	IP54	
Cooling mode	Natural Air Cooling	
Ambient temperature	Charge:0℃~55℃ / Discharge:-20℃~60℃ / Storage:-10℃~45℃	
Operating humidity	RH 5~95%	
Communication	CAN, RS485	
Alarm & Protection	Yes	
LED status	Alarm/Run/SOC	
Installation	Wall-mounted	
Certificate	UN38.3/MSDS/CE	

Solar Charging Integrated Energy Storage Machine

■ High safety, long life: high consistent, safe and reliable lithium iron phosphate batteries;
■ With methods of mains power bypass, inverter output, photovoltaic power generation, etc., and has the function of uninterrupted power supply;
■ Four charging modes: Solar mode, Priority power frequency AC, Priority solar, hybrid charging;
■ Communication support CAN, RS485, and Rs232;
■ Integrated design of battery and inverter module, the product is beautiful and green environmental protection, non-toxic and non-polluting.
■ Protections: short circuit protection, over/under voltage protection, overload protection,
back-irrigation protection and many other protection functions;



Model	BP100S16-F	BP200S16-F
Cell type	EVE-LFP square battery cell-3.2V100Ah	
Rated capacity	100Ah	200Ah
Rated total energy	5.12kWh	10.24kWh
Rated voltage	51.2V	
Voltage range	43.2~58.4V	
Photovoltaic power generation parameters		
Maximum output power	5000W	
MPPT voltage range	120~500V	
Solar charging current	0~80A	
AC parameters		
Rated output power	5000W	
Rated output voltage	230Vac（200/208/220/240Vac）±5%	
Output frequency range	50Hz ± 0.3Hz /60Hz ±0.3 Hz	
Efficiency	input>95%, output>90%	input>95%, output>90%
System parameters		
Weight	51kg	90kg
Dimension (H* W * D)	850*480*160mm	1120*480*180mm
Ingress Protection	IP54	
Cooling mode	Forced air cooling	
Ambient temperature	Charge:0℃~55℃/ Discharge:-20℃~60℃/ Storage:-10℃~45℃	
Operating humidity	RH 5~95%	
Installation	Wall-mounted	
Communication	CAN, RS485/wifi/GPRS	
CERTIFICATION	UN38.3/MSDS/CE	

Floor-standing Home Energy Storage Modular (In Parallel)

- High safety, long life: high consistent, safe and reliable lithium iron phosphate batteries;
- With methods of mains power bypass, inverter output, photovoltaic power generation, etc., and has the function of uninterrupted power supply;
- Communication support CAN, RS485, and Rs232;
- Modular design, 1~8 units serial-parallel connection available;
- Protections: short circuit protection, over-voltage protection, overload protection, back-irrigation protection and many other protection functions;
- Can be matched with premium brand inverters. For example, Victron, Voltronic, SMA, Aiswei, Studer, Goodwe, Growatt, etc;



Model	BP100S16-MP-F	BP200S16-MP-F	BP300S16-MP-F	BP400S16-MP-F
Cell type	EVE-LFP square battery cell-3.2V100Ah			
Rated capacity(Ah)	100	200	300	400
Rated total energy(kw h)	5.12	10.24	15.36	20.48
System parameters				
Weight(kg/box)	42	84	126	168
Dimension (MM, H* W * D)	675*375*160	675*375*320	675*375*480	675*375*640
Model	**BP500S16-MP-F**	**BP600S16-MP-F**	**BP700S16-MP-F**	**BP800S16-MP-F**
Cell type	EVE-LFP square battery cell-3.2V100Ah			
Rated capacity(Ah)	500	600	700	800
Rated total energy(kw h)	25.6	30.72	35.84	40.96
System parameters				
Weight(kg/box)	210	252	294	336
Dimension (MM, H* W * D)	675*375*800	675*375*960	675*375*1120	675*375*1280
System parameters				
Rated voltage	51.2V (Single)			
Voltage range	40V~58.4V			
Ingress Protection	IP54			
Cooling	Natural Air Cooling			
Ambient temperature	Charge:0℃~55℃/Discharge:-20℃~60℃/Storage:-10℃~45℃			
Installation	stackable			
Communication	CAN, RS485			
CERTIFICATION	UN38.3 /MSDS/CE			

Floor-standing Home Energy Storage Modular (In Series)

- High safety, long life: high consistent, safe and reliable lithium iron phosphate batteries;
- With methods of mains power bypass, inverter output, photovoltaic power generation, etc., and has the function of uninterrupted power supply;
- Communication support CAN, RS485, and Rs232;
- Modular design, 1~11 units parallel connection available;
- Protections: short circuit protection, over-voltage protection, overload protection, back-irrigation protection and many other protection functions;
- Can be matched with premium brand inverters. For example, Victron, Voltronic, SMA, Aiswei, Studer, Goodwe, Growatt, etc;



Model	BP100S16-MS-F	BP200S16-MS-F	BP300S16-MS-F	BP400S16-MS-F
Cell type	EVE-LFP square battery cell-3.2V100Ah			
Rated capacity(Ah)	100	200	300	400
Rated total energy(kwh)	5.12	10.24	15.36	20.48
Rated voltage	51.2V (Single)			
Voltage range	51.2V	102.4V	153.6V	204.8V
Max. charging voltage	58.4V	116.8V	175.2	233.6V
Min.discharge voltage	40V	80V	120V	160V
System parameters				
Weight(kg/box)	42	84	126	168
Dimension (MM, H*W*D)	675*375*160	675*375*320	675*375*480	675*375*640
Model	**BP500S16-MS-F**	**BP600S16-MS-F**	**BP700S16-MS-F**	**BP800S16-MS-F**
Cell type	EVE-LFP square battery cell-3.2V100Ah			
Rated capacity(Ah)	500	600	700	800
Rated total energy(kwh)	25.6	30.72	35.84	40.96
Rated voltage	51.2V (Single)			
Voltage range	256	307.2	358.4	409.6
Max. charging voltage	292V	350.4V	408.8	467.2
Min.discharge voltage	200V	240V	280V	320V
System parameters				
Weight(kg/box)	210	252	294	336
Dimension (MM, H*W*D)	675*375*800	675*375*960	675*375*1120	675*375*1280
Ingress Protection	IP54			
Cooling	Natural Air Cooling			
Ambient temperature	Charge:0℃~55℃/Discharge:-20℃~60℃/Storage:-10℃~45℃			
Installation	stackable			
Communication	CAN, RS485			
CERTIFICATION	UN38.3 /MSDS/CE			

PDU-NKW-Uniphase/PDU-5U-NKW-Uniphase



■ Self-inspection and operation status detection, with HMI display screen to show the operation details.
■ Reliable system control and protection strategies, fully protect battery safety and service lifetime.
■ Modular design, configurable and expandable - multiple units can be flexibly combined to form larger energy storage systems.
■ Communication ports - multiple RS485, CAN, Ethernet, dry contact input and output ports, supporting communicating with most PCS and monitoring servers on the market.
■ Automatic circulation control and automatic parallel/offline control can easily realize parallel connection of battery packs.

Model	PDU-5kw-Uniphase	PDU-10kw-Uniphase	PDU-5U-5kw-Uniphase	PDU-5U-10kw-Uniphase
Rated capacity(Ah)	100	200	100	200
Rated total energy(kwh)	5.12	10.24	5.12	10.24
Rated voltage	51.2V (Single)			
Voltage range	43.2~58.4V			
System parameters				
Weight (Kg/box)	42	84	42	84
Dimension (H* W * D)	675*375*160mm	675*375*320mm	550*480*220mm	
Ingress Protection	IP54		IP20	
Cooling mode	Natural Air Cooling			
Ambient temperature	Charge:0℃~55℃/Discharge:-20℃~60℃/Storage:-10℃~45℃			
Installation	stackable			
Communication	CAN, RS485			
CERTIFICATION	UN38.3 / MSDS/CE			

PDU-S23-NA-750/PDU-5U-S23-Uniphase



■ Self-inspection and operation status detection, with HMI display screen to show the operation details.
■ Reliable system control and protection strategies, fully protect battery safety and service lifetime.
■ Modular design, configurable and expandable - multiple units can be flexibly combined to form larger energy storage systems.
■ Up to 11 modules can be connected in series.
■ Communication ports - multiple RS485, CAN, Ethernet, dry contact input and output ports, supporting communicating with most PCS and monitoring servers on the market.
■ Automatic circulation control and automatic parallel/offline control can easily realize parallel connection of battery packs.

Model	PDU-S23-100A-750	PDU-S23-200A-750	PDU-5U-S23-100A-750	PDU-5U-S23-200A-750
Rated current(A)	100	200	100	200
Rated withstand voltage level（V）	750V		750V	
Dielectric Strength	2800VDC ＜1mA 1min		2800VDC ＜1mA 1min	
Current sampling accuracy	1%FSR		1%FSR	
Protection	IP20		IP20	
Size box(h*w*d)	650*370*201		500*480*220mm	
Weight	20KG		20KG	
Functions	Battery charging and discharging management; System protection parameter setting;Pre-charge; Dual power supply; Insulation detection			
HMI display	3.5			
Operating ambient temperature	Charge:0℃~55℃/Discharge:-20℃~60℃/Storage:-10℃~45℃			
Ambient humidity	RH 5%~75%			
Communication	CAN, RS485			
Safety certification	UN38.3 / MSDS / CE			

Standard Cabinet Type Energy Storage Box (In Parallel)



■ High safety, long life: high consistent, safe and reliable lithium iron phosphate batteries;
■ Flexible capacity expansion on demand: up to 10 units in parallel to expand capacity to meet different specifications of electricity demand;
■ With overcharge, over discharge, overcurrent, short circuit, over temperature, data reading function;
■ Communication: CAN, RS485, Rs232;
■ With power indicator function / LCD display function;
■ Low power consumption, with data history anomaly record query;

Model	B51100-BF	B51200-BF	B51300-BF	B51400-BF
Cell type	EVE-LFP square battery cell-3.2V100Ah			
Rated capacity(Ah)	100	200	300	400
Rated total energy(kwh)	5.12	10.24	15.36	20.48
System parameters				
Weight(kg/box)	42	84	126	168
Dimension(H*W*D)	482*464*133mm	482*464*266mm	482*464*400mm	482*464*533mm
Model	**B51500-BF**	**B51600-BF**	**B51700-BF**	**B51800-BF**
Rated capacity(Ah)	500	600	700	800
Rated total energy(kwh)	25.6	30.72	35.84	40.96
Rated voltage	51.2V (Single)			
Voltage range	43.2~58.4V			
System parameters				
Weight(kg/box)	210	252	294	336
Dimension(H*W*D)	482*464*665mm	482*464*798mm	482*464*931mm	482*464*1064mm
Ingress Protection	IP54			
Cooling	Natural Air Cooling			
Ambient temperature	Charge:0℃~55℃/Discharge:-20℃~60℃/Storage:-10℃~45℃			
Installation	stackable			
Communication	CAN, RS485			
CERTIFICATION	UN38.3 /MSDS/CE			

Standard Cabinet Type Energy Storage Box (In Serial)

■ High safety, long life: high consistent, safe and reliable lithium iron phosphate batteries;
■ Flexible capacity expansion on demand: up to 10 units in parallel to expand capacity to meet different specifications of electricity demand;
■ With overcharge, over discharge, overcurrent, short circuit, over temperature, data reading function;
■ Communication: CAN, RS485, Rs232;
■ With power indicator function / LCD display function;
■ Low power consumption, with data history anomaly record query;alize parallel connection of battery packs.



Model	B51100-BF-S	B51100-BF-S	B51100-BF-S	B51100-BF-S
Cell type	EVE-LFP square battery cell-3.2V100Ah			
Rated capacity(Ah)	100	100	100	100
Rated total energy (kwh)	5.12	10.24	15.36	20.48
Rated voltage	51.2V (Single)			
Voltage range	51.2V	102.4V	153.6V	204.8V
Max. charging voltage	58.4V	116.8V	175.2	233.6V
Min. discharge voltage	40V	80V	120V	160V
System parameters				
Weight(kg/box)	42	84	126	168
Dimension(H*W*D)	675*375*160mm	675*375*320mm	675*375*480mm	675*375*640mm
Model	**B51100-BF-S**	**B51100-BF-S**	**B51100-BF-S**	**B51100-BF-S**
Rated capacity(Ah)	100	100	100	100
Rated total energy (kwh)	25.6	30.72	35.84	40.96
Voltage range	256	307.2	358.4	409.6
Max. charging voltage	292V	350.4V	408.8	467.2
Min. discharge voltage	200V	240V	280V	320V
System parameters				
Weight(kg/box)	210	252	294	336
Dimension(H*W*D)	675*375*800mm	675*375*960mm	675*375*1120mm	675*375*1280mm
Protection	IP54			
Cooling	Natural Air Cooling			
Temperature	Charge:0℃~55℃/Discharge:-20℃~60℃/Storage:-10℃~45℃			
Installation	stackable			
Communication	CAN, RS485			
CERTIFICATION	UN38.3 /MSDS/CE			

19-inch Standard Rack

■ The cabinet production standard is in accordance with the ISO quality management system standard and is compatible with the 19 "international standard and other standards.

■ Cabinet material selection: use high-quality cold-rolled and cold-rolled drawn steel plate with thickness of more than.

■ Processing process and door lock of front door of cabinet: thickness of tempered glass, door lock style, and double-opening rear door are conducive to saving space and facilitating installation and removal.

■ Surface treatment process of cabinet steel plate.

■ Cabinet surface coating process.

■ Technical requirements for cabinet steel plate processing.

■ Procurement of cabinet fasteners, installation of screws, nuts, casters, and selection of foot nails.



Name	Type	Dimension mm(H*W*D)
19 inches	18U	1000X600X600
	24U	1200X600X600
	27U	1400X600X600
	32U	1600X600X600
	37U	1800X600X600
	42U	2000X600X600
	42U	2000X800X800
	37U	1800X800X800
	24U	1200X600X800
	27U	1400X600X800
	32U	1600X600X800
	37U	1800X600X800
	42U	2000X600X800

Portable Energy Storage Type Power Box





■ High safety, long life: high consistent, safe and reliable lithium iron phosphate batteries;
■ With methods of mains power bypass, inverter output, photovoltaic power generation, etc., and has the function of uninterrupted power supply;
■ Maximum power output 3000W, maximum energy 2560Wh;
■ 12V/24V/USB/220V and other output modes available;
■ Trailer type design, easy to carry and transport;
■ Fireproof and wear-resistant shell to ensure the safety of electricity;
■ Protections: short circuit protection, over-voltage protection, overload protection, back-irrigation protection and many other protection functions;

Model	PX100S8
Cell type	LFP cylindrical battery- 3.2V100Ah
Rated capacity	100Ah
Rated total energy	2.56kWh
Rated voltage	25.6V
Voltage range	21.6~29.2V
Photovoltaic power generation parameters	
Maximum output pow er	140W
Operating voltage	12/24V
Maximum charge current	20A
AC parameters	
Peak output pow er	3000W
Rated output voltage	220Vac±5%
Output frequency range	50Hz ± 0.3Hz
Efficiency	input>95% , output>90%
System parameters	
Weight	25kg
Dimension(H*W*D)	550*305*203mm
Protection	IP54
Cooling mode	Free cooling
Ambient temperature	Charge:0℃~55℃/Discharge:-20℃~60℃/ Storage:-10℃~45℃
Operating humidity	5~95% , relative humidity
Installation	Trailer Box
Communication	CAN, RS485 , RS232