







Lead-acid Replacement







-  Bluetooth (BT)
-  Support 4 sets in series
-  Long cycle life
-  IP65 waterproof
-  Low temperature self-heating
-  High rate & high current discharge

Battery Model	12V100Ah	12V200Ah
Nominal voltage	12.8V	12.8V
Rated capacity	100Ah	200Ah
End-of-charge voltage	14.6V	14.6V
End-of-discharge voltage	10.0V	10.0V
Max. charge current	50/100A	100A
Max. discharge current	100A	100/200A
Communication	BT / RS485 (optional)	BT / RS485 (optional)
Size (mm)	330*175*215mm	525*240*220mm
Weight (kg)	11.5kg (about)	21.5kg (about)

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Powerwall Type LiFePO4 Battery

-  Compatible with mainstream inverters
-  Communication protocol customization
-  BMS self-developed
-  Multi-model design
-  Support 15 in parallel
-  LOGO customization

Battery Model	48V/51.2V100Ah	48V/51.2V200Ah
Nominal voltage	48V/51.2V	48V/51.2V
Rated capacity	100Ah	200Ah
End-of-charge voltage	58.0V	58.0V
End-of-discharge voltage	42.0V	42.0V
Max. charge current	100A	100/200A
Max. discharge current	100A	100/200A
Communication	RS485/ CAN/ BT(optional)	RS485/ CAN/ BT(optional)
Size (mm)	600*480*165mm	940*550*165mm
Weight (kg)	49kg (about)	94kg (about)

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Standing Type LiFePO4 Battery

 Drive 10KW inverter  Touch screen display

 Super capacity  Long cycle life


 Compatible with mainstream inverters  Easy to move

Battery Model	48V/51.2V300Ah	48V/51.2V400Ah
Nominal voltage	48V/51.2V	48V/51.2V
Rated capacity	300Ah	400Ah
End-of-charge voltage	58.0V	58.0V
End-of-discharge voltage	42.0V	42.0V
Max. charge current	150A	200A
Max. discharge current	300A	400A
Communication	RS485/ CAN/ BT(optional)	RS485/ CAN/ BT(optional)
Size (mm)	600*600*987mm	600*600*1165mm
Weight (kg)	141kg (about)	187kg (about)

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All in One ESS

 Plug and play  Combined UPS

 Fashion design  Support Wifi







 Long cycle life  5KW Hybrid inverter

Battery Model	5KWh+5KW	10KWh+5KW
Nominal voltage	51.2V	51.2V
Rated capacity	100Ah	200Ah
End-of-charge voltage	58.0V	58.0V
End-of-discharge voltage	42.0V	42.0V
Max. charge current	100A	100A
Max. discharge current	100A	100A
Communication	RS485/ CAN	RS485/ CAN
Size (mm)	230*350*1070mm	230*350*1430mm
Weight (kg)	70kg (about)	115kg (about)

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Off-grid Inverter







-  Integrated inverter & control
-  HV MPPT
-  Support PV activation
-  IP21 waterproof
-  Support battery mode
-  BMS self-developed

Battery Model	3KF1-A1	5KF1-A1
Battery Voltage	24VDC	48VDC
Rated Power	3000VA	5500VA
Rated Grid Voltage	230VAC±5%	230VAC±5%
Frequency	50Hz/ 60Hz	50Hz/ 60Hz
Max PV Power	3000W	5500W
Max PV Voltage	450VDC	500VDC
Protection Degree	IP21	IP21
Size (mm)	430*300*115mm	450*300*125mm
Weight (kg)	9kg (about)	10kg (about)

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Hybrid Inverter

-  Integrated inverter & control
-  HV MPPT
-  Support PV activation
-  IP20 waterproof
-  Support battery mode
-  BMS self-developed

Battery Model	3KF1-A1	5KF1-A1
Battery Voltage	24VDC	48VDC
Rated Power	3000VA	5500VA
Rated Grid Voltage	230VAC±5%	230VAC±5%
Frequency	50Hz/ 60Hz	50Hz/ 60Hz
Max PV Power	3000W	5500W
Max PV Voltage	450VDC	500VDC
Protection Degree	IP20	IP20
Size (mm)	430*300*115mm	450*300*125mm
Weight (kg)	9kg (about)	10kg (about)

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Off-grid Standard Inverter



BMS self-developed



MPPT charge 100A



Support WIFI



IP21 waterproof



PV high voltage input



Max support 9 parallel

Battery Model	5KF1-A1	8KF1-A1
Battery Voltage	48VDC	48VDC
Rated Power	1000VA	15000VA
Rated Grid Voltage	230VAC	230VAC
Frequency	50Hz/ 60Hz	50Hz/ 60Hz
Max PV Power	5000W	18000W
Max PV Voltage	450VDC	450VDC
Protection Degree	IP21	IP21
Size (mm)	335*125*480mm	420*125*550mm
Weight (kg)	12kg (about)	22kg (about)

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Hybrid Energy Storage Inverter



2 channels HV MPPT controller



IP65 waterproof



MPPT charge 100A



Support RS485 and WIFI



PV high voltage input









Max support 6 parallel

Battery Model	5KH1-A1	10KH1-A1
Battery Voltage	48VDC	48VDC
Rated Power	5500VA	8500VA
Rated Grid Voltage	230VAC	230VAC
Frequency	50Hz/ 60Hz	50Hz/ 60Hz
Max PV Power	7000W	10000W
Max PV Voltage	500VDC	580VDC
Protection Degree	IP65	IP65
Size (mm)	580*350*230mm	600*450*230mm
Weight (kg)	23.5kg (about)	30kg (about)

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Off-grid Cabinet Type Inverter (Single Phase/3-Phase)





-  Inverter & control integrated
-  Resistant to large loads
-  Safe and reliable
-  Multi-channel MPPT
-  IP20 waterproof
-  BMS self-developed

Battery Model	15KF1-B1	45KF1-B1
Battery Voltage	48VDC	48VDC
Rated Power	15000VA	45000VA
Rated Grid Voltage	230VAC	230/400VAC(L1/L2/L3/N/PE)
Frequency	50Hz/ 60Hz	50Hz/ 60Hz
Max PV Power	7500W	12000W
Max PV Voltage	500VDC	580VDC
Protection Degree	IP20	IP20
Size (mm)	400*550*600mm	400*550*1450mm
Weight (kg)	55kg (about)	135kg (about)

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HV Cabinet LiFePO4 Battery

-  Automotive grade process
-  2/ 3 Levels architecture
-  Arbitrary series parallel
-  Master integrated combiner box
-  High reliability & high security
-  LOGO customization

Battery Model	192V50Ah	384V50Ah
Nominal voltage	192V	384V
Rated capacity	50Ah	50Ah
End-of-charge voltage	218V	435V
End-of-discharge voltage	160V	320V
Max. charge current	50A	100A
Max. discharge current	50A	100A
Communication	RS485/ CAN	RS485/ CAN
Size (mm)	460*330*480mm	460*330*780mm
Weight (kg)	100kg (about)	280kg (about)

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Indoor Cabinet ESS

-  Support GPS
-  Intelligent and friendly
-  BMS self-developed
-  Safe and reliable
-  Safe and reliable
-  Efficient power generation

Battery Model	CB15KWH-10KW-I	CB20KWH-10KW-I
Total voltage	307V	409V
Total capacity	50Ah	50Ah
Voltage range	260-345V	345-460V
Rated power	10KW	15KW
Rated voltage	380Vac, 3L/N/PE	380Vac, 3L/N/PE
MPPT working voltage range	IP65	IP65
Protection Grade	RS485/ CAN	RS485/ CAN
Size (mm)	560*550*1100mm	560*550*1100mm
Weight (kg)	225kg (about)	250kg (about)

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Outdoor Cabinet ESS

-  Support GPS
-  Intelligent and friendly
-  BMS self-developed
-  Safe and reliable
-  Safe and reliable
-  Efficient power generation

Battery Model	CB40KWH-20KW-O	CB50KWH-20KW-O
Total voltage	409V	512V
Total capacity	100Ah	100Ah
Voltage range	345-460V	440-575V
Rated power	20KW	20KW
Rated voltage	380Vac, 3L/N/PE	380Vac, 3L/N/PE
MPPT working voltage range	IP65	IP65
Communication	CAN	CAN
Size (mm)	1000*650*1100mm	1000*650*1450mm
Weight (kg)	480kg (about)	570kg (about)

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Industrial and Commercial Container ESS



Automotive grade process



Integrate PCS and PV



Support up to 1200V



Integrate DC module and AC module



Long cycle life



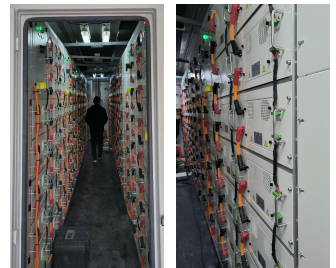
Support customization

Battery Model	1.5MWh-500KW	3MWh-1MW
Battery capacity	1.5MWh	3MWh
Rated AC power	500KW	1000KW
Rated AC current	722V	1400V
Rated grid voltage	400V	400V
Rated grid frequency	50/ 60Hz	50/ 60Hz
Waterproof	IP54	IP54
Communication	RS485/ CAN	RS485/ CAN
Size (mm)	6090*3495*2895mm	12190*2435*2895mm
Weight (kg)	7500kg (about)	13500kg (about)

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Application case of energy storage lithium battery - Some industrial and commercial customers in Italy



- Investment and construction capacity of industrial and commercial energy storage 4MWh
- Convenient operation and maintenance, cost reduction, efficiency and flexibility
- Intelligent liquid cooling temperature control, reducing system auxiliary power consumption
- Double layers horizontal battery cluster, saving electrical cables
- High voltage cabinet 192V100Ah
- Simple and efficient system, synthesizes conversion efficiency
- Respond to the two-carbon policy, reduce carbon emissions
- Sold 10+ groups

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