

VOLFUTR

ENERGY · INNOVATION · FUTURE

Store Green Energy · Power the Future



2026

Guangdong Volfutr Technology
www.volfutr.com

Home Energy Storage
C&I Energy Storage
Marine Lithium Battery
Golf Cart Lithium Battery
RV Lithium Battery

Open Innovation · Green Future · Smart Power



Company Profile

Professional Energy Storage Manufacturer, A Globally Trusted Partner.

Guangdong VOLFUTR Technology Co., Ltd. (Brand: VOLFUTR) focuses on residential energy storage, commercial & industrial energy storage, and specialized lithium battery systems, providing global customers with safe, reliable and efficient energy storage products and solutions.

Our core technical team, composed of senior experts from BYD, EVE Energy and Huawei, brings over 15 years of deep expertise in lithium battery energy storage and power systems. Our products are exported to Europe, Africa, Southeast Asia and beyond, with long-term strategic partnerships with leading global enterprises.



UN38.3

5–30 kWh Energy Storage Applications

1. Home Backup Power



Provides electricity for essential loads (lighting, fridge, TV) during grid outages.

2. Residential Solar Storage



Stores excess solar energy, increases self-consumption, reduces electricity costs.

3. Agriculture & Farming



Supplies stable power for ventilation, lighting, monitoring, and other farm equipment.

4. Peak Shaving / Load Management



Charge during off-peak, discharge during peak hours to reduce electricity costs.

5. Villas / Large Homes



Supports higher household energy demand, improves energy independence.

6. Hotels / Homestays



Reduces energy costs and ensures reliable power during peak tourist seasons.

7. Remote / No-grid Areas



Works with solar systems to deliver reliable off-grid electricity.

8. Boats / Yachts



Provides onboard electricity, improving comfort and safety.

100–500kWh Commercial & Industrial Energy Storage Applications

1. Peak Shaving & Demand Management



Store electricity during off-peak hours and discharge during peak periods to reduce demand charges and electricity costs.

2. Backup Power & Emergency Power



Provide reliable backup power during grid outages to ensure business continuity and protect critical loads.

3. Renewable Energy Integration



Store excess solar or wind energy and use it when needed to improve renewable energy utilization and stability.

4. Microgrid & Off-grid Solutions



Support microgrids or off-grid systems for stable, independent power supply in remote or unstable grid areas.

5. Commercial Buildings & Office Parks



Optimize energy use, reduce operating costs, and support green building and low-carbon operations.

6. EV Charging Stations Support



Reduce grid impact from fast charging, smooth power fluctuations, and lower charging station costs.

7. Time-of-Use Energy Arbitrage



Take advantage of electricity price differences by charging low and discharging high to increase energy savings.

8. Data Centers & IT Facilities



Provide reliable backup and stable power support to ensure continuous operation of critical IT infrastructure.

Commercial & Industrial Energy Storage System

Cutting-edge C&I energy storage technology, helping enterprises reduce costs and improve efficiency!



VOLFUTR -125- 261

Product Features

High Reliability · Flexible Expansion · Easy Maintenance

Mechanical Specifications

Dimensions (W*H*D): 1350*2200*1300mm

Weight: Approx. 2500kg

IP Protection Rating: IP54

Operating Temperature: -20°C ~ 50°C

Charge & Discharge Specifications

Grid Voltage: 400Vac

Battery Type: LFP 314Ah

Rated AC Power: 125kW

Rated AC Current: 150A

Rated Grid Frequency: 50/60Hz

Rated DC Voltage: 768V

DC Voltage Range: 949~728V

Cycle Life: 6000 cycles @ 25°C, 0.5C rate

Altitude: Below 2000m

Management System: EMS+BMS

Firefighting methods: aerosols, smoke

detectors, temperature sensors, etc

Cooling method: forced air cooling (air conditioning) or liquid cooling scheme



VOLFUTR -241

Product Features

High Reliability · Flexible Expansion · Easy Maintenance

Mechanical Specifications

Dimensions (W*H*D): 1000*2300*1300mm

Weight: Approx. 2500kg

IP Protection Rating: IP55

Operating Temperature: -15°C ~ 45°C

Charge & Discharge Specifications

Grid Voltage: 400Vac

Battery Type: LFP 314Ah

Rated AC Power: 100kW

Rated AC Current: 150A

Rated Grid Frequency: 50/60Hz

Rated DC Voltage: 876V

DC Voltage Range: 684~876V

Cycle Life: 6000 cycles @ 25°C, 0.5C rate

Altitude: Below 2000m

Management System: EMS+BMS

Firefighting methods: aerosols, smoke

detectors, temperature sensors, etc

Cooling method: forced air cooling (air conditioning) or liquid cooling scheme



VOLFUTR -480

Product Features

High Reliability · Flexible Expansion · Easy Maintenance

Mechanical Specifications

Dimensions (W*H*D): 1000*2300*1300mm
(Adjustable according to the plan)

Weight: Approx. 5000kg

IP Protection Rating: IP55

Operating Temperature: -15°C ~ 45°C

Charge & Discharge Specifications

Grid Voltage: 400Vac

Battery Type: LFP 570Ah

Rated AC Power: 125kW

Rated AC Current: 150A

Rated Grid Frequency: 50/60Hz

Rated DC Voltage: 876V

DC Voltage Range: 684~876V

Cycle Life: 6000 cycles @ 25°C, 0.5C rate

Altitude: Below 2000m

Management System: EMS+BMS

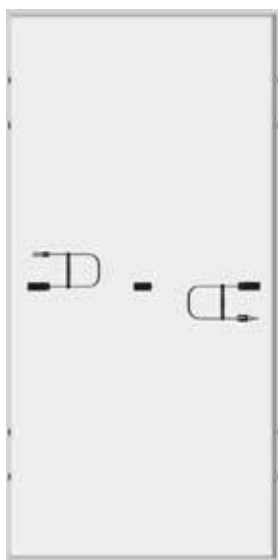
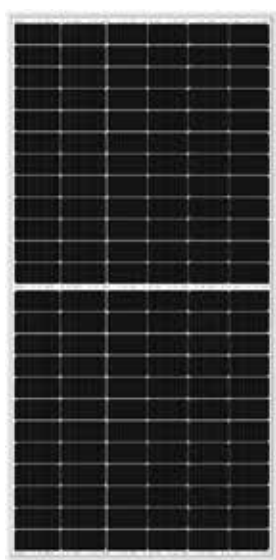
Firefighting methods: aerosols, smoke

detectors, temperature sensors, etc

Cooling method: forced air cooling (air conditioning) or liquid cooling scheme

Emergency & Outdoor Energy Storage Battery

Cutting-edge emergency energy storage technology, ensuring uninterrupted outdoor communication



Higher component conversion efficiency (up to 22.64%)



Hail test 25mm hail, impact at 23m/s



Wind and snow load 40°F to 185°F (-40°C to 85°C)



Operating Temperature 40°F to 185°F (-40°C to 85°C)

XTL-580W ~ 600W

Electrical Specifications

Component model	580W	590W	600W
Testing environment	STC	STC	STC
Maximum power [Pmax/W]	550W	590W	600W
Maximum power voltage [Vmp/V]	43.01V	43.11V	43.22V
Maximum power current [Imp/A]	13.49A	13.69A	13.88A
Open circuit voltage [Voc/V]	51.09V	51.30V	51.41V
Short circuit current [Isc/A]	13.89A	14.10A	14.63A
Component efficiency [%]	22.44%	22.83%	23.22%

Mechanical And Operating Parameters

Junction box	IP68 Three diodes
FinWeight	27.2kg+3%
Size	2279+2×1134+2×30mm
Workingtemperature	-40°C~+85°C
Safety level	ClassI
Fire rating	Class A



Solar Inverter ED Series E

Electrical Specifications

Model	ED4024EMH	ED11048EMH
AC Input	220VAC / 110VAC	
Input Frequency	50/60Hz*5%	
Rated Power	4000W	11000W
Output Voltage	220/230/240VAC*5%	
Output Frequency	50/60Hz=0.1%	
Peak Power	8000VA	22000VA
Output Voltage	220/230/240VAC	
Rated Output Current	17.4A	47.8A
Peak Efficiency (DC/AC)	>98%	
Rated Voltage	24Vdc	48Vdc
PV Charging Mode	MPPT	双路MPPT
Max PVinput Power	5000W	2×5500W
MPPTInput Voltage Range	60~500Vdc	90~500Vdc
Optimal Vmp Range	300~400Vdc	300~400Vdc
Max PV Input Voltage	500Vdc	
Max PVInput Current	18A	18A/18A
Max PV Charging Current	120A	150A
Max AC Charging Current	100A	150A
Max Charging Current	120A	150A
Expansion Slot	Lithium Battery BMS Communication	
Communication interface	Card,WiFi /Pitch2.54mm	

Residential Energy Storage System



25.6V 280Ah

Available Power: 7168Wh
Rated Capacity: 280Ah
Rated Voltage: 25.6V
Cycle life: ≥8000 cycles at 80% depth of discharge (DOD), 25°C

Function

Number of parallels: It is recommended to connect 6 units in parallel (supports up to 16 units in parallel)
Remote data: Bluetooth (optional)/ Wifi
Protection Level: IP21

Mechanical Specifications

Product dimensions (L × W × H) mm: 440 × 270 × 550 mm
Net weight: 60.20KG

Charge & Discharge Specifications

Operating voltage range: 22.4V~29.2V
Rated charge and discharge current: 150A
Peak current: 200A Continuous@205A10S
Rated charge and discharge power: 2560Wh
Battery Management System Configuration: 8S280A



51.2V 100Ah

Available Power: 5120Wh
Rated Capacity: 100Ah
Battery cell configuration: 16S1P
Cycle life: ≥8000 cycles at 80% depth of discharge (DOD), 25°C

Function

Number of parallels: It is recommended to connect 6 units in parallel (supports up to 16 units in parallel)
Remote data: Bluetooth (optional)/ Wifi
Protection Level: IP21

Mechanical Specifications

Product dimensions (L × W × H) mm: 440 × 270 × 550mm
Net weight: 52KG

Charge & Discharge Specifications

Operating voltage range: 44.8V~58.4V
Rated charge and discharge current: 100A
Peak current: 100A Continuous@105A10S
Rated charge and discharge power: 2560Wh
Battery Management System Configuration: 16S100A



51.2V 314Ah

Available Power: 16000Wh
Rated Capacity: 314Ah
Battery cell configuration: 16S1P
Cycle life: ≥8000 cycles at 80% depth of discharge (DOD), 25°C

Function

Number of parallels: It is recommended to connect 6 units in parallel (supports up to 16 units in parallel)
Remote data: Bluetooth (optional)/ Wifi
Protection Level: IP21

Mechanical Specifications

Product dimensions (L × W × H) mm: 450×260×700mm
Net weight: 120KG

Charge & Discharge Specifications

Operating voltage range: 44.8V~58.4V
Rated charge and discharge current: 200A
Peak current: 200A Continuous@205A10S
Rated charge and discharge power: 2560Wh
Battery Management System Configuration: 16S314A



51.2V 420Ah

Available Power: 21500Wh
Rated Capacity: 420Ah
Battery cell configuration: 16S2P
Cycle life: ≥8000 cycles at 80% depth of discharge (DOD), 25°C

Function

Number of parallels: It is recommended to connect 6 units in parallel (supports up to 16 units in parallel)
Remote data: Bluetooth (optional)/ Wifi
Protection Level: IP21

Mechanical Specifications

Product dimensions (L × W × H) mm: 1100×360×240 mm
Net weight: 142KG

Charge & Discharge Specifications

Operating voltage range: 44.8V~58.4V
Rated charge and discharge current: 200A
Peak current: 300A Continuous@305A10S
Rated charge and discharge power: 7680Wh
Battery Management System Configuration: 16S420A

Cutting-edge home energy storage technology, ensuring worry-free household power supply!



51.2V 314Ah

Battery Capacity: 16000Wh/pack
Rated Power: 5000W / Peak 10000VA
AC Voltage (Battery Mode): 230VAC (185-240VAC $\pm 5\%$)
Cycle Life: 8000 cycles

Function

AC Charging: Max. 80A
MPPT Charging: 6000W, 60-450VDC, Max. 80A
Recommended Charging Current: 40A
Maximum Charging Voltage: 58.4V
Maximum Charging Current: 200A
Recommended Discharging Current: 100A
Maximum Discharging Current: 200A
Supported Features: Bluetooth and App Support (Optional, extra charge required)

Mechanical Specifications

Product Dimensions: 750 × 455 × 250 mm
Net Weight: 120 kg



51.2V 200Ah

10kWh battery pack single inverter 5500W
Battery type: LFP51.2V 200AH
Rated Power: 5000W
AC Voltage (Battery Mode): 230VAC (185-240VAC $\pm 5\%$)
Cycle Life: 8000 cycles

Function

AC Charging: Max. 80A
MPPT Charging: 6000W, 60-450VDC, Max. 80A
Recommended Charging Current: 40A
Maximum Charging Voltage: 58.4V
Maximum Charging Current: 200A
Recommended Discharging Current: 100A
Maximum Discharging Current: 200A
Supported Features: Bluetooth and App Support (Optional, extra charge required)

Mechanical Specifications

Product dimensions (L × W × H) mm: 620 × 440 × 240mm
Product weight: 81.7KG



51.2V 600Ah

Available Power: 30720Wh
Rated Capacity: 600Ah
Battery cell configuration: 16S2P
Cycle life: ≥ 8000 cycles at 80% depth of discharge (DOD), 25°C

Function

Number of parallels: It is recommended to connect 6 units in parallel (supports up to 16 units in parallel)
Remote data: Bluetooth (optional)/ Wifi
Protection Level: IP21

Mechanical Specifications

Product dimensions (L × W × H) mm: 900 × 320 × 700 mm
Net weight: 224KG

Charge & Discharge Specifications

Operating voltage range: 44.8V~58.4V
Rated charge and discharge current: 200A
Peak current: 200A Continuous@205A10S
Rated charge and discharge power: 7680W
Battery Management System Configuration: 16S200A 2P



24V 5500W

AC Output Voltage Range: AC185-220V/50-60Hz
Output Voltage/Frequency: 220V/50Hz
Output Power: 5500W
Charging Current: 20A-50A
Inverter Response Time: ≤ 5 ms

Function

AC Output Ports: 16A*3
USB Output Ports: 24W*4
Type-C: 5V/9V/24W*2
Ambient Light: *1
Emergency/Lighting Light: *2
Supports DC Output 24V 100A
XT90 AC Charging Interface: *1
Overload Protection: 6500W
Adapter: 110V-240V 30A 29.2V
Solar panel charging: MPPT12V-45V/500W(max)

Mechanical Specifications

Main Unit Dimensions (W*D*H): 410*320*555MM
Trolley Rod Dimensions (W*D*H): 410*320*1010MM
Bare unit weight: 56.4KG

Vietnam factory PV + Energy Storage: 5-Year Net Savings \$1.91M, 1Year Payback

ITEM	GRID-ONLY PLAN	PV + ENERGY STORAGE PLAN	REMARKS
[Basic Data]			
Daily kWh Used	6,000 kWh	6,000 kWh	1.98M kWh per year
Avg. Grid Price (USD/kWh)	\$0.22	\$0.22	
PV System	None	1020 kW	Daily generation 5,100 kWh
Energy Storage System	None	1,044 kWh	Discharge 991kWh, off-peak \$0.146
Operating days per year	330 days	330 days	
[5-Year Cost Comparison]			
5-year grid electricity cost (USD)	\$2,174,231	\$248,902	PV+storage yearly bill: \$49,780
PV investment (USD)	0	\$298,700	Turnkey cost of \$0.293/W
Energy storage investment (USD)	0	\$122,255	\$117/kWh
5-year O&M cost (USD)	0	\$35,139	PV \$4,539/yr + Storage \$2,489/yr
5-year total cash outlay (USD)	\$2,174,231	\$701,318	Saves \$1,472,914
5-yr net savings (excl. salvage) (USD)	-	\$1,472,914	
5-yr equipment salvage value (USD)	0	\$325,037	Residual: PV 80% + ESS 70%
5-yr net cost (excl. salvage) (USD)	\$2,174,231	\$376,281	
5-yr net savings (incl. salvage)	-	\$1,797,950	Saves \$30,747/month
Payback period (years)	-	1 year	
[Annual Savings Details]			
PV self-consumption annual benefit	-	\$370,425	1,683 MWh × \$0.22/kWh
Storage arbitrage annual revenue	-	\$21,962	900 kWh/day × 330 × \$0.0732/kWh
Total PV+storage electricity savings	-	\$392,386	
Grid-only annual elec. cost (USD)	\$434,846	-	
Post-installation annual elec. cost	-	\$42,460	
[Energy Storage Added Value]			
Backup power		991 kWh, 5h backup	
Peak shaving		Save \$73/day	
Voltage stabilization		Equipment protection	



Vietnam Home PV + Storage: \$12,000 Net Savings in 5 Years, 1-Year Payback

ITEM	GRID-ONLY PLAN	PV + ENERGY STORAGE PLAN	REMARKS
[Basic Data]			
Daily kWh Used	30 kWh	30 kWh	10,950 kWh per year
Avg. Grid Price (USD/kWh)	\$0.22	\$0.22	Peak \$0.22, off-peak \$0.15/kWh
PV System	None	6,000 W	30 kWh/day, 10 x 600W PV panels
Energy Storage System	None	16 kWh	15kWh/d, off-peak \$0.15/kWh
Operating days per year	365 days	365 days	
[5-Year Cost Comparison]			
5-year grid electricity cost (USD)	\$12,045	\$0	PV+storage yearly bill: \$0
PV investment (USD)	\$0	\$1,800	Turnkey cost of \$0.3/W
Energy storage investment (USD)	\$0	\$1,168	\$73/kWh, 16kWh battery
Inverter investment	\$0	\$235	\$235/unit, for 6kW PV
5-year total cash outlay (USD)	\$12,045	\$3,203	Saves \$8,842
5-yr net savings (excl. salvage) (USD)	-	\$8,842	
5-yr equipment salvage value (USD)	0	\$2,258	Residual: PV 80% + ESS 70%
5-yr net cost (excl. salvage) (USD)	\$12,045	\$945	
5-yr net savings (incl. salvage)	-	\$11,100	Saves \$185/month
Payback period (years)	-	1 year	
[Annual Savings Details]			
PV self-consumption annual benefit	-	\$2,409	10,950 kWh × \$0.22/kWh
Storage arbitrage annual revenue	-	\$383	15 kWh/day × 365 × \$0.07/kWh
Total annual savings (USD)	-	\$2,792	
Grid-only annual elec. cost (USD)	\$2,409	-	
Post-installation annual elec. cost	-	\$0	
[Energy Storage Added Value]			
Backup power		16 kWh, 10h backup	
Peak shaving		Save \$1.1/day	
Voltage stabilization		Protect home appliances	



RV Lithium Battery

Cutting-edge RV lithium battery technology, empowering enjoyable travel and leisure journeys!



12.8V 200Ah

Electrical Specifications

Nominal Voltage: 12.8V
Nominal Capacity: 200Ah
Energy: 2.56Kwh
Cycle Life: >4,000 cycles
Connect in Parallel: Yes

Function

Bluetooth: Yes, customized bluetooth APP acceptable
Heating System: Optional
Remote Diagnostics and Upgradation: Available

Mechanical Specifications

Dimensions (L x W x H): 360*330*160mm 114.17*12.99*6.3"
Weight: 27.6KG (60.9lb)
Case Material & IP Rating: Steel, IP67

Charge & Discharge Specifications

Charge Current: 100
Continuous Discharge Current: 150
Peak Discharge Current: 300
Max. Charge Voltage: 14.6V
Cut-off Voltage: 10V
Battery Management System(BMS): Yes, built-in BMS protection



12.8V 280Ah

Electrical Specifications

Nominal Voltage: 12.8V
Nominal Capacity: 280Ah
Energy: 3.584Kwh
Cycle Life: >4,000 cycles
Connect in Parallel: Yes

Function

Bluetooth: Yes, customized bluetooth APP acceptable
Heating System: Optional
Remote Diagnostics and Upgradation: Available

Mechanical Specifications

Dimensions (L x W x H): 580*180*270mm 122.83*7.08*10.63"
Weight: 34KG(74.96lb)
Case Material & IP Rating: Steel, IP67

Charge & Discharge Specifications

Charge Current: 100
Continuous Discharge Current: 200
Peak Discharge Current: 400
Max. Charge Voltage: 14.6V
Cut-off Voltage: 10V
Battery Management System(BMS): Yes, built-in BMS protection



12.8V 300Ah

Electrical Specifications

Nominal Voltage: 12.8V
Nominal Capacity: 300Ah
Energy: 3.84Kwh
Cycle Life: >4,000 cycles
Connect in Parallel: Yes

Function

Bluetooth: Yes, customized bluetooth APP acceptable
Heating System: Optional
Remote Diagnostics and Upgradation: Available

Mechanical Specifications

Dimensions (L x W x H): 384*194*245mm 115.11*7.64*9.64"
Weight: 28KG(61.73lb)
Case Material & IP Rating: ABS, IP67

Charge & Discharge Specifications

Charge Current: 100
Continuous Discharge Current: 200
Peak Discharge Current: 400
Max. Charge Voltage: 14.6V
Cut-off Voltage: 10V
Battery Management System(BMS): Yes, built-in BMS protection



12.8V 519Ah

Electrical Specifications

Nominal Voltage: 12.8V
Nominal Capacity: 519Ah
Energy: 6.643Kwh
Cycle Life: >4,000 cycles
Connect in Parallel: Yes

Function

Bluetooth: Yes, customized bluetooth APP acceptable
Heating System: Optional
Remote Diagnostics and Upgradation: Available

Mechanical Specifications

Dimensions (L x W x H): 404*404*254mm 115.9*15.9*10"
Weight: 54.88KG(120.99lb)
Case Material & IP Rating: Steel, IP67

Charge & Discharge Specifications

Charge Current: 100
Continuous Discharge Current: 200
Peak Discharge Current: 400
Max. Charge Voltage: 14.6V
Cut-off Voltage: 10V
Battery Management System(BMS): Yes, built-in BMS protection

Golf Cart Lithium Battery

Cutting-edge high-density lithium battery technology, delivering long-lasting power on the course!



36V 105Ah

Electrical Specifications

Nominal Voltage: 36V
Nominal Capacity: 105Ah
Energy: 4.03Kwh
Standard Charge: 22A
Discharge Current: 250A
Max. Discharge: 500A

Function

Bluetooth monitoring: Battery status can be checked by mobile phone in real-time
SOC alarm function optional: When the SOC reach to 10%(can be set up lower or higher), the buzzer rings
Self-heating function optional: Charged at freezing temperature
High discharge current: Support high discharge current, 150A/200A/250A/300A. Good for hills climbing
Quick Charge Time: 2.0h
Standard Charge Time: 5.0h
Battery Management System(BMS): Yes, built-in BMS protection

Mechanical Specifications

Dimensions (L x W x H): 395*312*243mm
Weight: 37KG (81.57lb)
Case Material: Steel



51V 160Ah

Electrical Specifications

Nominal Voltage: 51.2V
Nominal Capacity: 160Ah
Energy: 8.19Kwh
Standard Charge: 22A
Discharge Current: 250A
Max. Discharge: 500A

Function

Bluetooth monitoring: Battery status can be checked by mobile phone in real-time
SOC alarm function optional: When the SOC reach to 10%(can be set up lower or higher), the buzzer rings
Self-heating function optional: Charged at freezing temperature
High discharge current: Support high discharge current, 150A/200A/250A/300A. Good for hills climbing
Quick Charge Time: 3.0h
Standard Charge Time: 7.5h
Battery Management System(BMS): Yes, built-in BMS protection

Mechanical Specifications

Dimensions (L x W x H): 615*403*200mm
Weight: 72KG (158.73lb)
Case Material: Steel



48V 105Ah

Electrical Specifications

Nominal Voltage: 48V
Nominal Capacity: 105Ah
Energy: 5.37Kwh
Standard Charge: 22A
Discharge Current: 250A
Max. Discharge: 500A

Function

Bluetooth monitoring: Battery status can be checked by mobile phone in real-time
SOC alarm function optional: When the SOC reach to 10%(can be set up lower or higher), the buzzer rings
Self-heating function optional: Charged at freezing temperature
High discharge current: Support high discharge current, 150A/200A/250A/300A. Good for hills climbing
Quick Charge Time: 2.5h
Standard Charge Time: 5.0h
Battery Management System(BMS): Yes, built-in BMS protection

Mechanical Specifications

Dimensions (L x W x H): 472*312*243mm
Weight: 45KG (99.21lb)
Case Material: Steel



72V 160Ah

Electrical Specifications

Nominal Voltage: 72V
Nominal Capacity: 160Ah
Energy: 11.77Kwh
Standard Charge: 15A
Discharge Current: 250A
Max. Discharge: 500A

Function

Bluetooth monitoring: Battery status can be checked by mobile phone in real-time
SOC alarm function optional: When the SOC reach to 10%(can be set up lower or higher), the buzzer rings
Self-heating function optional: Charged at freezing temperature
High discharge current: Support high discharge current, 150A/200A/250A/300A. Good for hills climbing
Quick Charge Time: 3.0h
Standard Charge Time: 10.5h
Battery Management System(BMS): Yes, built-in BMS protection

Mechanical Specifications

Dimensions (L x W x H): 847*405*230mm
Weight: 115KG (253.53lb)
Case Material: Steel

Marine Lithium Battery

Cutting-edge marine lithium battery technology, escorting safe and long-distance navigation!



12V 100Ah

Electrical Specifications

Nominal Voltage: 12.8V
Nominal Capacity: 100Ah
Energy: 1280Wh
Cycle Life: >4,000 cycles
Connect in Parallel: Yes

Function

Bluetooth: Yes, customized bluetooth APP acceptable
Heating System: Optional
Remote Diagnostics and Upgradation: Available

Mechanical Specifications

Dimensions (L x W x H): 329*172*214mm 12.9x6.77x8.42"
Weight: 12.7kg(28lb)
Case Material & IP Rating: ABS, IP67

Charge & Discharge Specifications

Max. Charge Voltage: 14.6V
Cut-off Voltage: 10V
Charge Current: 100A
Discharge Current: 100A
Battery Management System(BMS): Yes, built-in BMS protection



36V 60Ah

Electrical Specifications

Nominal Voltage: 38.4V
Nominal Capacity: 60Ah
Energy: 2.3KWh
Cycle Life: >4,000 cycles
Connect in Parallel: Yes

Function

Bluetooth: Yes, customized bluetooth APP acceptable
Heating System: Optional
Remote Diagnostics and Upgradation: Available

Mechanical Specifications

Dimensions (L x W x H): 329*172*214mm 12.95x6.77x8.43"
Weight: 17.3KG(38.1lb)
Case Material & IP Rating: ABS, IP67

Charge & Discharge Specifications

Max. Charge Voltage: 43.8V
Cut-off Voltage: 30V
Charge Current: 30A
Discharge Current: 60A
Battery Management System(BMS): Yes, built-in BMS protection



24V 100Ah

Electrical Specifications

Nominal Voltage: 25.6V
Nominal Capacity: 105Ah
Energy: 2688Wh
Cycle Life: >4,000 cycles
Connect in Parallel: Yes

Function

Bluetooth: Yes, customized bluetooth APP acceptable
Heating System: Optional
Remote Diagnostics and Upgradation: Available

Mechanical Specifications

Dimensions (L x W x H): 345*190*245mm 13.58x7.48x9.65"
Weight: 21kg(46.3lb)
Case Material & IP Rating: ABS, IP67

Charge & Discharge Specifications

Max. Charge Voltage: 29.2V
Cut-off Voltage: 20V
Charge Current: 100A
Discharge Current: 100A
Battery Management System(BMS): Yes, built-in BMS protection



48V 150Ah

Electrical Specifications

Nominal Voltage: 48V
Nominal Capacity: 150Ah
Energy: 7.2Kwh
Cycle Life: >4,000 cycles
Connect in Parallel: Yes

Function

Bluetooth: Yes, customized bluetooth APP acceptable
Heating System: Optional
Remote Diagnostics and Upgradation: Available

Mechanical Specifications

Dimensions (L x W x H): 640*245*220mm 25.20x9.65x8.66"
Weight: 65KG(143.3lb)
Case Material & IP Rating: ABS, IP67

Charge & Discharge Specifications

Max. Charge Voltage: 54.75V
Cut-off Voltage: 37.5V
Charge Current: 75A
Discharge Current: 150A
Battery Management System(BMS): Yes, built-in BMS protection



48V 105Ah

Electrical Specifications

Nominal Voltage: 51.2V
Nominal Capacity: 105Ah
Energy: 5.37Kwh
Cycle Life: >4,000 cycles
Connect in Parallel: Yes

Function

Bluetooth: Yes, customized bluetooth APP acceptable
Heating System: Optional
Remote Diagnostics and Upgradation: Available

Mechanical Specifications

Dimensions (L x W x H): 472*312*243mm 18.58x12.28x9.57"
Weight: 46.4KG(102.3lb)
Case Material & IP Rating: Steel, IP67

Charge & Discharge Specifications

Charge Current: 50A
Continuous Discharge Current: 100A
Peak Discharge Current: 200A
Max. Charge Voltage: 58.4V
Cut-off Voltage: 40V
Battery Management System(BMS): Yes, built-in BMS protection



72V 105Ah

Electrical Specifications

Nominal Voltage: 73.6V
Nominal Capacity: 105Ah
Energy: 7.728Kwh
Cycle Life: >4,000 cycles
Connect in Parallel: Yes

Function

Bluetooth: Yes, customized bluetooth APP acceptable
Heating System: Optional
Remote Diagnostics and Upgradation: Available

Mechanical Specifications

Dimensions (L x W x H): 559*302*273mm 22x11.88x10.75"
Weight: 67kg(147.7lb)
Case Material & IP Rating: Steel, IP67

Charge & Discharge Specifications

Charge Current: 100A
Continuous Discharge Current: 100A
Peak Discharge Current: 200A
Max. Charge Voltage: 83.95V
Cut-off Voltage: 57.5V
Battery Management System(BMS): Yes, built-in BMS protection



48V 400Ah

Electrical Specifications

Nominal Voltage: 51.2V
Nominal Capacity: 400Ah
Energy: 20.48Kwh
Cycle Life: >4,000 cycles
Connect in Parallel: Yes

Function

Bluetooth: Yes, customized bluetooth APP acceptable
Heating System: Optional
Remote Diagnostics and Upgradation: Available

Mechanical Specifications

Dimensions (L x W x H): 664.4*650*470.2mm 26.15x25.59x18.5"
Weight: 165KG(363.8lb)
Case Material & IP Rating: Steel, IP67

Charge & Discharge Specifications

Charge Current: 50A
Continuous Discharge Current: 150A
Peak Discharge Current: 300A
Max. Charge Voltage: 58.4V
Cut-off Voltage: 40V
Battery Management System(BMS): Yes, built-in BMS protection



96V 105Ah

Electrical Specifications

Nominal Voltage: 102.4V
Nominal Capacity: 105Ah
Energy: 10.752Kwh
Cycle Life: >4,000 cycles
Connect in Parallel: Yes

Function

Bluetooth: Yes, customized bluetooth APP acceptable
Heating System: Optional
Remote Diagnostics and Upgradation: Available

Mechanical Specifications

Dimensions (L x W x H): 880*350*273mm 34.64x17.78x10.75"
Weight: 92kg(202.8lb)
Case Material & IP Rating: Steel, IP67

Charge & Discharge Specifications

Charge Current: 100A
Continuous Discharge Current: 250A
Peak Discharge Current: 500A
Max. Charge Voltage: 116.8V
Cut-off Voltage: 80V
Battery Management System(BMS): Yes, built-in BMS protection



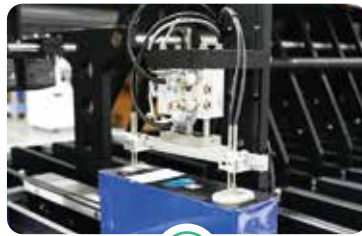
Product Manufacturing Flow

Products are manufactured in strict accordance with ISO standardized production specifications.



01

Incoming Quality Control



02

Cell Sorting



03

Assembly Line Processing



06

Battery Aging Test



05

Battery Testing



04

Wiring & Connection



07

Finished Battery



08

Product Shipment



09

After-Sales Technical Support

Core Competitive Advantages

Cell Quality: 100% Original Grade A Cells from EVE Energy with Full Traceability

The long-term value and service life of an energy storage system depend on lowest-performing cell module in the system. Guided by this principle, VOLFUTR applies the industry's most stringent standards in cell selection.

As a strategic partner of EVE Energy, VOLFUTR uses **100% original brand-new Grade A prismatic and cylindrical cells** across all product lines. No recycled, downgraded, or falsely rated capacity cells are used. Each batch of cells is accompanied by an original factory quality inspection report,

supporting full customer audits and supply chain traceability verification.

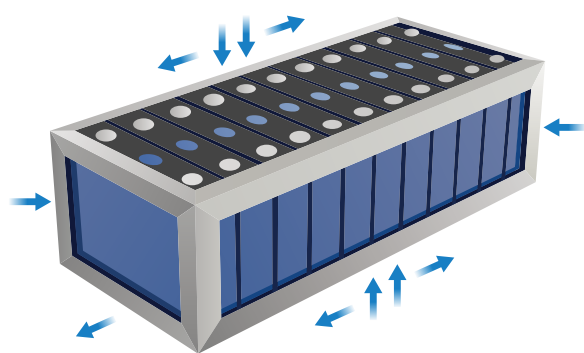
In addition, VOLFUTR adopts a **high-capacity prismatic cell architecture**. Compared with traditional solutions using more than 120 small-format cylindrical cells in parallel, the number of internal connection nodes is greatly reduced. This structurally minimizes voltage inconsistency and short-circuit risks, significantly improving overall system consistency and long-term stability.

Certifications of Company & Products





Manufacturing Process: Automated Laser Welding & Precision Manufacturing Standards

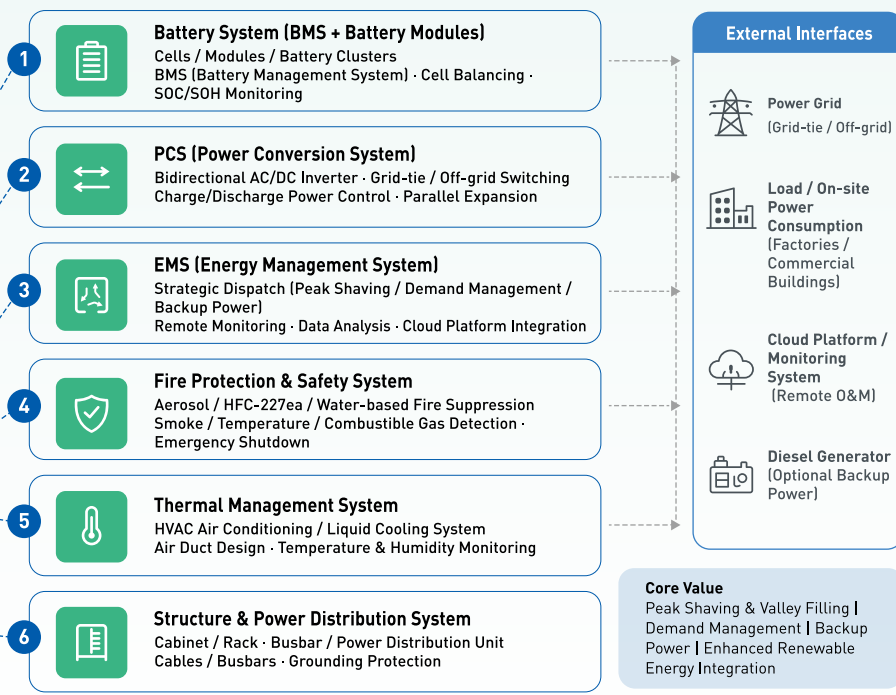


Exclusive Cell Holder structure with high-strength steel-reinforced enclosure delivers exceptional physical impact resistance.

Manufacturing technology directly determines the reliability and service life of products in actual working conditions. VOLFUTR has fully adopted automated laser welding technology in the production process to replace the traditional manual spot welding process, ensuring that the strength and consistency of each welding joint reach the top industrial level, thereby significantly reducing the failure rate and maintenance costs of products in high-vibration environments.

In terms of structural design, VOLFUTR has independently developed an exclusive **Cell Holder battery cell fixing structure**. Combined with the steel box reinforced outer shell, the product can withstand extreme physical impacts such as mining operations, marine navigation, and transportation on unpaved roads. This structural design has passed multiple severe environment tests, ensuring the system maintains structural integrity and high asset value throughout the entire life cycle.

C&I ESS Cabinet: Core System Schematic



Asia, Africa & Latin America • Off-Grid Energy Storage & Mining Power

We are promoting the connection and preparation for the implementation of energy storage and mining power battery projects in multiple countries. Our products adapt to extreme environments, supported by digital operation and maintenance to ensure long-term reliability.



Global • Empowering Diverse Energy Storage



Europe • High-End Industrial Power

We are in strategic cooperation negotiations with major French golf cart manufacturers. Our products have obtained CE certification and passed customer quality audits, and are ready for mass production and supply.

Marine • Vessel Power Supply

Our marine solutions comply with NMEA 2000 standards. We are conducting in-depth technical cooperation with a number of global ship and yacht manufacturers, providing safe marine power solutions.





Global Leader in Home & Industrial Energy Storage

Power Your Life, Power Your World

We specialize in the R&D, manufacturing and services of clean energy storage and power lithium battery systems. Our products are widely used in **residential energy storage, commercial & industrial energy storage, marine, golf carts, RVs, emergency power supplies, outdoor base stations and other applications**. We are committed to promoting the development of sustainable energy.

CONTACT US



Whatsapp



WeChat

 No. 433, Langwang Avenue, Shangwang Administrative Village,
Minzhong Subdistrict, Zhongshan City, Guangdong Province

 Mobile: +86 189 3333 7337  service@volfutr.com

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