



Product Catalog

NEW ENERGY

OEM&ODM One-stop Solution



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About Synergy Technology

Founded in 2020, Synergy Technology Co., Ltd. is a high-tech enterprise specializing in the field of new energy storage. The company integrates R&D, production and sales, and is committed to providing global users with one-stop solutions for outdoor power supply, home energy storage, industrial and commercial energy storage, mobile replenishment stations, energy storage inverters and peripheral products.

As a leading manufacturer and solution provider in the industry, the company cooperates deeply with CATL and moves forward side by side, strictly following the quality standards of the automotive industry and driving product performance improvement with technological innovation.

With user experience as the core and social value as the mission, Synergy Technology Co., Ltd always adheres to the original intention and strives to become a global benchmark brand in the field of new energy storage.

Lightning Fast Delivery

If you don't need additional designs, just the finished product we have the inventory to support fast delivery.

OEM & ODM Available

Whether you want to have your logo engraved on the product or want to design it differently we can help you.

Start With Low MOQ

If you want to wholesale Portable Power Station, we support a minimum order quantity of 100 PCS for the first order.



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Portable Power Station

Sheet-metal Series




Basic Parameters

				
	YC300	YC600	YC1100	YC3600
Power	300W (Peak 600W)	600W (Peak 1200W)	1000W (Peak 2000W)	3600W (Peak 7200W)
Capacity	327.68Wh	655.36Wh	1228.8Wh	3932.16Wh
Battery	CATL LiFePO4 4000 Cycles to 70% capacity	CATL LiFePO4 4000 Cycles to 70% capacity	CATL LiFePO4 4000 Cycles to 70% capacity	CATL LiFePO4 4000 Cycles to 70% capacity
AC Output	2 outlets, 300W Max	2 outlets, 600W Max	2 outlets, 1000W Max	3 outlets, 3600W Max
Other Output Ports	TYPE-C × 1 USB-A × 2 DC5521 × 1	USB-C × 2 USB-A × 2 Cigarette Lighter × 1 DC5521 × 2	TYPE-C × 2 USB-C × 2 USB-A × 2 Cigarette Lighter × 1 DC5521 × 2	TYPE-C × 2 USB-C × 4 Cigarette Lighter × 1 DC5521 × 1 DC5525 × 1
Input	DC5521: 90W Max	AC: 450W Max	AC: 800W Max MPPT: 200W Max	AC: 1500W Max MPPT: 1200W Max
Light	/	3W	3W	3W
Feature	Compact and portable, AC Corrective Wave	Compact and portable, AC bi-directional fast charging	AC bi-directional fast charging, 3 charging methods, 11 output ports	800W Grid Connection Power, Three-phase power, Expandable capacity
Operating Temperature	-15°C ~ 45°C	-15°C ~ 45°C	-15°C ~ 45°C	-15°C ~ 45°C
Dimensions	Product: 275×135×154 mm Packing box: 305×182×206 mm	Product: 325×215×185 mm Packing box: 360×230×265 mm	Product: 329×237×308 mm Packing box: 367×282×327 mm	Product: 481×360×421 mm Crate: 532×411×568 mm
Weight	N.W: 3.95 kg G.W: 5.05 kg	N.W: 6.3 kg G.W: 7.8 kg	N.W: 14.2 kg G.W: 15.95 kg	N.W: 39.7 kg G.W: 49 kg

Basic Parameters



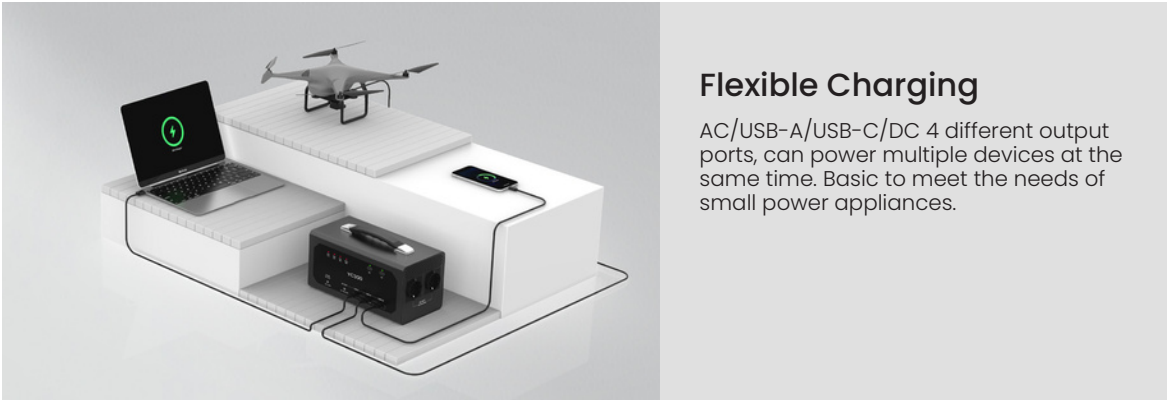
 Light (4W)	≈ 36.4hrs	≈ 72.8hrs	≈ 102.4hrs	≈ 245.7hrs
 iPhone (20W) Type-c	≈ 14.2hrs	≈ 28.4hrs	≈ 53.4hrs	≈ 170.9hrs
 Camera (28W)	≈ 10.5hrs	≈ 21.1hrs	≈ 39.6hrs	≈ 126.8hrs
 Drone (40W)	≈ 7.2hrs	≈ 14.5hrs	≈ 25.6hrs	≈ 75.6hrs
 Laptop (56W)	≈ 5.5hrs	≈ 11.1hrs	≈ 20.8hrs	≈ 66.6hrs
 Refrigerator (65W)	≈ 4.8hrs	≈ 9.6hrs	≈ 18.0hrs	≈ 57.8hrs
 Ventilator (80W)	≈ 3.8hrs	≈ 7.7hrs	≈ 13.9hrs	≈ 42.7hrs
 Rice Cooker (100w)	≈ 3.1hrs	≈ 6.2hrs	≈ 11.3hrs	≈ 35.1hrs
 Juice Extractor (250W)	≈ 1.2hrs	≈ 2.5hrs	≈ 4.7hrs	≈ 15.0hrs



Lightweight Design
Small size, easy carry and go.



BYD LiFePO4 Battery
4000 cycles, more than 10 years of durability, high temperature resistance and Safety.



Flexible Charging
AC/USB-A/USB-C/DC 4 different output ports, can power multiple devices at the same time. Basic to meet the needs of small power appliances.



**5 Years Warranty
+
2 Years Extended Warranty**

Portable Power Station YC1100

It maintains the continuity of power supply and ensures that they enjoy convenience and comfort in their lives.



Portable Power Station YC3600





No more being tied down by weight, electricity is free and easy to use.











Portable Power Station Plastic Series



Basic Parameters

				
	YC300S	YC600S	YC1200	YC2400
Power	300W (Peak 600W)	600W (Peak 1200W)	1200W (Peak 2400W)	2400W (Peak 4800W)
Capacity	327.68Wh	655.36Wh	1310.72Wh	2621.44Wh
Battery	BYD LiFePO4 4000 Cycles to 70% capacity	BYD LiFePO4 4000 Cycles to 70% capacity	BYD LiFePO4 4000 Cycles to 70% capacity	BYD LiFePO4 4000 Cycles to 70% capacity
AC Output	1 outlet, 300W Max	1 outlet, 600W Max	2 outlets, 1200W Max	4 outlets, 2400W Max
Other Output Ports	TYPE-C × 2 USB-C × 2 USB-A × 2 DC5521 × 1	TYPE-C × 2 USB-C × 2 Cigarette Lighter × 1 DC5521 × 2	TYPE-C × 2 USB-C × 2 Cigarette Lighter × 1 DC5521 × 1 DC5525 × 1 Wireless Charging × 1	TYPE-C × 2 USB-C × 4 Cigarette Lighter × 1 DC5521 × 1 DC5525 × 1
Input	DC5521: 60W Max Type-C: 100W Max MPPT: 100 Max	AC: 500W Max MPPT: 150W Max	AC: 900W Max MPPT: 150W Max	AC: 1500W Max MPPT: 1500W Max
Light	3W	3W	3W	3W
Feature	PD100W bi-directional charging, PD+DC maximum charging 200W	AC bi-directional fast charging, Type-c 100W, Dual lighting	15W Wireless Charging, Bluetooth, FM, Microphone	800W Grid Connection Power, Three-phase power, Expandable capacity
Operating Temperature	-15°C ~ 45°C	-15°C ~ 45°C	-15°C ~ 45°C	-15°C ~ 45°C
Dimensions	Product: 256×135×153 mm Packing box: 310×186×255 mm	Product: 297×256×182 mm Packing box: 344×234×316 mm	Product: 350×250×254 mm Packing box: 442×338×345 mm	Product: 514×258×376 mm Packing box: 630×352×536 mm
Weight	N.W: 3.95 kg G.W: 5.05 kg	N.W: 7.75 kg G.W: 9.25 kg	N.W: 12.7 kg G.W: 14.58 kg	N.W: 26.5 kg G.W: 29.85 kg

Usage Time

				
	YC300S	YC600S	YC1200	YC2400
 Light (4W)	≈ 36.4hrs	≈ 72.8hrs	≈ 109.2hrs	≈ 163.8hrs
 iPhone (20W) Type-c	≈ 14.2hrs	≈ 28.4hrs	≈ 56.9hrs	≈ 113.9hrs
 Camera (28W)	≈ 10.5hrs	≈ 21.1hrs	≈ 42.2hrs	≈ 84.5hrs
 Drone (40W)	≈ 7.2hrs	≈ 14.5hrs	≈ 27.3hrs	≈ 50.4hrs
 Laptop (56W)	≈ 5.5hrs	≈ 11.1hrs	≈ 22.2hrs	≈ 44.4hrs
 Refrigerator (65W)	≈ 4.8hrs	≈ 9.6hrs	≈ 19.2hrs	≈ 38.5hrs
 Ventilator (80W)	≈ 3.8hrs	≈ 7.7hrs	≈ 14.8hrs	≈ 28.4hrs
 Rice Cooker (100w)	≈ 3.1hrs	≈ 6.2hrs	≈ 12.1hrs	≈ 23.4hrs
 Juice Extractor (250W)	≈ 1.2hrs	≈ 2.5hrs	≈ 5.0hrs	≈ 10.0hrs

Portable Power Station YC300S

The YC300S keeps your site powered up even when you're on an outdoor camping adventure.



Portable Power Station YC1200

YC1200 is compact, powerful, and packed with all the features you need to meet your demands!



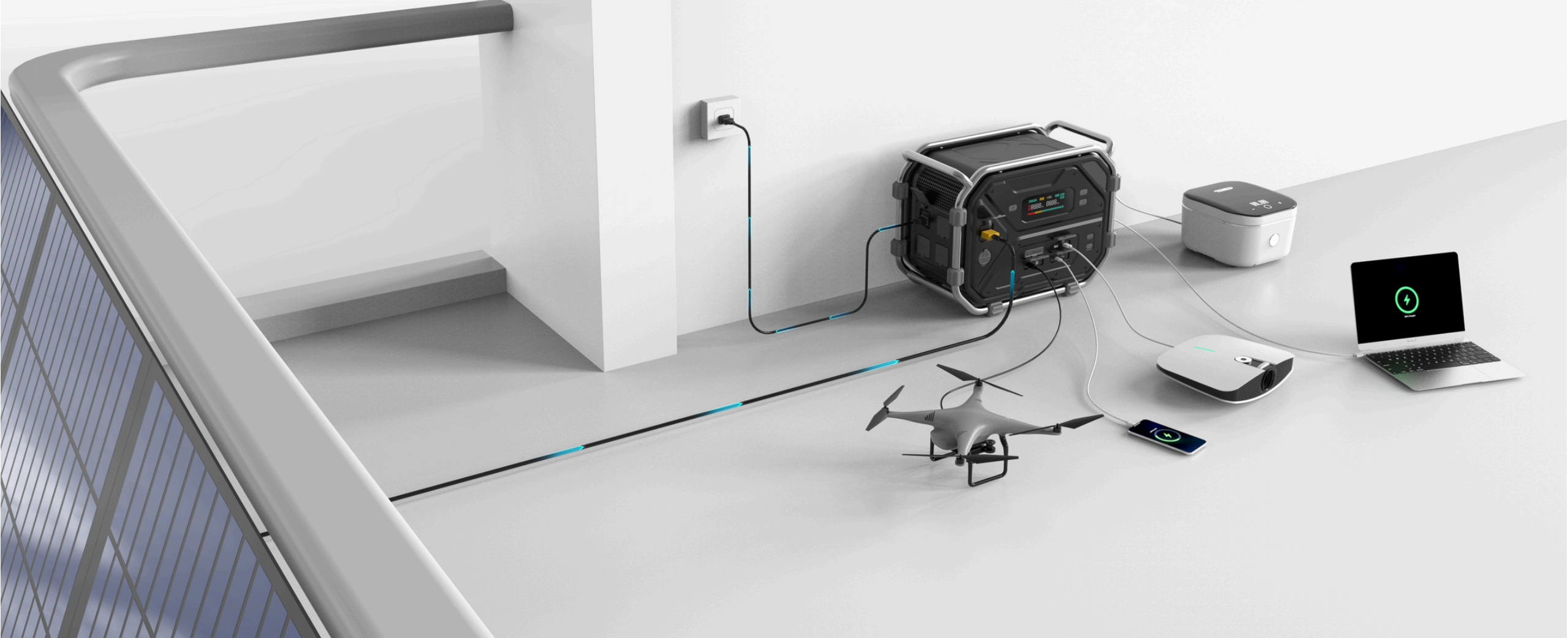
Portable Power Station YC600S

YC600SLiFePO4batterytechnologydeliversremarkablecapacityandlightweightportabilityfor RV living and tinyhouses.



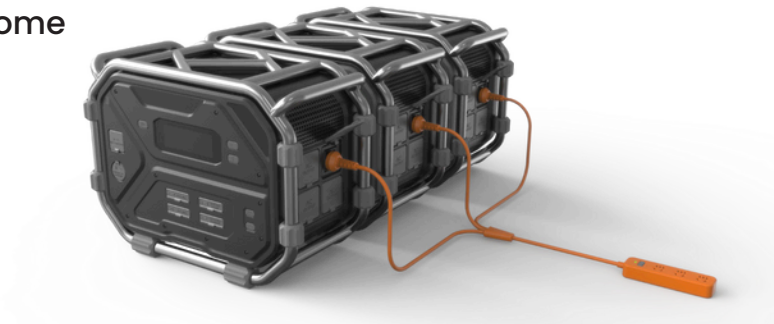
Portable Power Station YC2400

YC2400 Built-in 800W micro inverter system can be connected to the grid, realizing the freedom of electricity while earning more profit for you.



How To Get 3 Phase Power At Home

Three YC2400s or three YC3600 in parallel to form a 3-phase power supply (supports up to 6 parallel machines)



6PCS Expansion



From
2621Wh to 15726Wh

Capacity



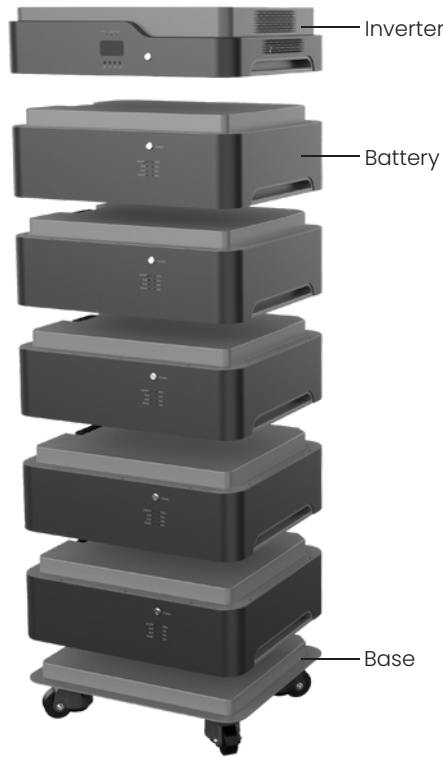
From
2400W to 14400W

Power



Stackable Home Energy Storage

JC-DD-5.22kWh&5kW



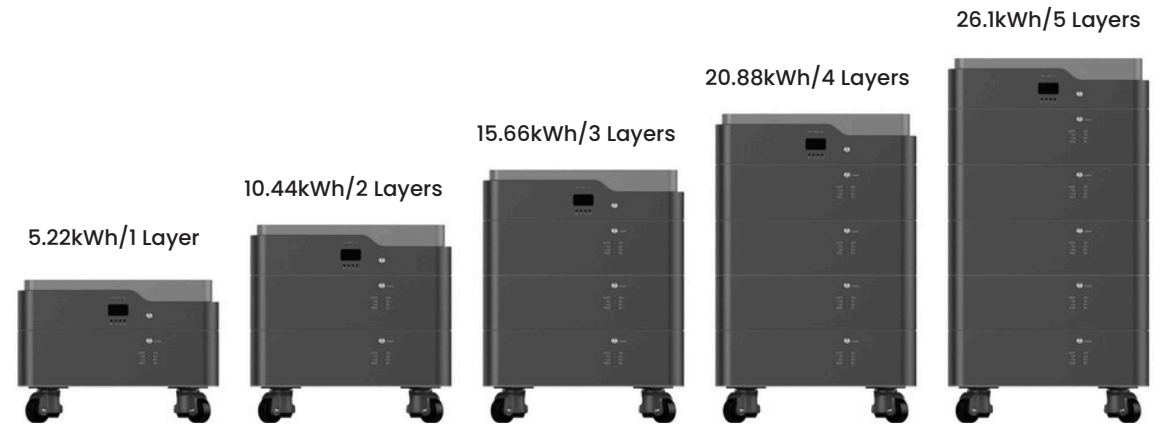
Battery	
Battery Capacity	5.22kWh 51.2V
Rated Voltage	
Battery	CATL LiFePO4, 25°C, ≥6000cycles@70%EOL
Charge/Discharge Current	100A
Dimensions	600×430×150 mm
Weight	46.9 kg

Inverter	
Rated AC Output Power	5kW
AC Output Voltage	110V/ 220V (Optional)
AC Output Frequency	60Hz/ 50Hz (Optional)
AC Rated Input Voltage	110V/ 220V (Optional)
AC Input Power	3000W
Grid Type	Off-grid/ On-grid
Display	LCD
Communication	USB, RS485
Operating Temperature	-10°C ~ 60°C
Dimensions	600×430×204 mm
Weight	16.4 kg

Base	
Dimensions	600×430×152 mm
Weight	9.3 kg

Free Expansion

Flexible capacity configuration, 5.22kWh-26.1kWh optional capacity. The capacity is scaled up to meet the needs of families also at any time.



All-in-one Home Energy Storage

SNY-YT-5.22kWh&5kW



Battery	
Battery Capacity	5.22kWh 51.2V
Rated Voltage	CATL LiFePO4,
Battery	25°C, ≥6000cycles@70%EOL
Charge/Discharge Current	
100A	
Inverter	
Rated AC Output Power	5kW
AC Output Voltage	230V/ 220V (Optional)
AC Output Frequency	60Hz/ 50Hz (Optional)
AC Rated Input Voltage	230V/ 220V (Optional)
AC Input Power	4000W
Grid Type	Off-grid
Display	LCD
Communication	USB, RS485
Operating Temperature	-10°C ~ 60°C
Whole	
Dimensions	600×430×426 mm
Weight	57.3 kg

Inverter

Off-grid Inverter

Hybrid Inverter



Off-grid Inverter



				JC-AC-1.2kW	JC-AC-2.9kW	JC-AC-3.6kW
Rated Output Power Nominal				1.2KVA/1.2kW	2.9KVA/2.9kW	2.9KVA/3.6kW
DC	Input	Voltage	Input	12Vdc	24Vdc	24Vdc
Voltage	Waveform		Input	Sinusoidal (utility or generator) 230Vac 230Vac		
Nominal	Voltage		Input	>95% (Rated R load, battery full charged) 5+		
Nominal Frequency Efficiency				years Yes Normal mode 90-280Vac, UPS mode		
(Line Mode) Product Lifespan				170-280Vac		
Pass Through Without Battery						
Input	Voltage	Range	Max.			
Charge Current Over Charge						
Protection	PV	Voltage		60A	60A	80A
Working	Range	MPPT		Yes		
Operating	Range	Max.	Input	15-125Vdc	40-500Vdc	40-500Vdc
Power	Max.	Solar	Charging	20-100Vdc	40-450Vdc	40-450Vdc
Current	Max.	input	Current	1.2kW	2.9kW 100A	3.6kW 100A
Min.	Startup	Voltage	Nominal	60A	14A 21Vdc	18A 21Vdc
Output	Voltage		Nominal	14A		
Output	Frequency		Parallel	11.5Vdc		
Capability	Peak	Efficiency		220Vac±5%		
Over-Load		Protection		50+0.3Hz/60Hz+0.3Hz(Adjustable)		
Operating		Temperature		NO		
Dimensions Weight				> 93%		
				5.5s@>150%oad; 10.5s@105%~150%load		
				-10°C ~ 60°C		
				350.8×250×102.8 mm	448×300×103 mm	448×300×103 mm
				3.8 kg	7 kg	7 kg



				JC-AC-5.5kW				JC-AC-10kW				
Rated Output Power Nominal				5.5KVA/5.5kW 48Vdc Sinusoidal (5.5kW/10kW generator)				5.5KVA/10kW 48Vdc				
DC	Input	Voltage	Input	230Vac 230Vac >95% (Rated load, battery full charged)				5+ years Yes Normal mode				
Voltage		Waveform		Input		90-280Vac, UPS mode				170-280Vac		
Nominal		Voltage		Input								
Nominal Frequency Efficiency												
(Line Mode) Product Lifespan												
Pass Through Without Battery												
Input	Voltage		Range	Max.								
Charge Current Over Charge												
Protection		PV	Voltage	80A Yes 120-500Vdc 120-450Vdc 6.0kW150A								
Working		Range		MPPT		100A 18A 46Vdc		220Vac+5%				
Operating Range		Max. Input		50+0.3Hz/60Hz+0.3Hz(Adjustable)				Yes,				
Power	Max.	Solar	Charging	up to 9 units >93% 5.5s@>150%load;								
Current	Max.	Input	Current	10.5s@105%~150%load		-10°C ~ 60°C		2.0kW				
Min. Startup		Voltage Nominal		480×305×118 mm 9.25 kg				80A				
Output	Voltage		Nominal						16A×2			
Output	Frequency		Parallel									
Capability		Peak	Efficiency									
Over-Load		Protection										
Operating		Temperature						NO				
Dimensions Weight												
				521.8×392×140 mm								
				16.35 kg								

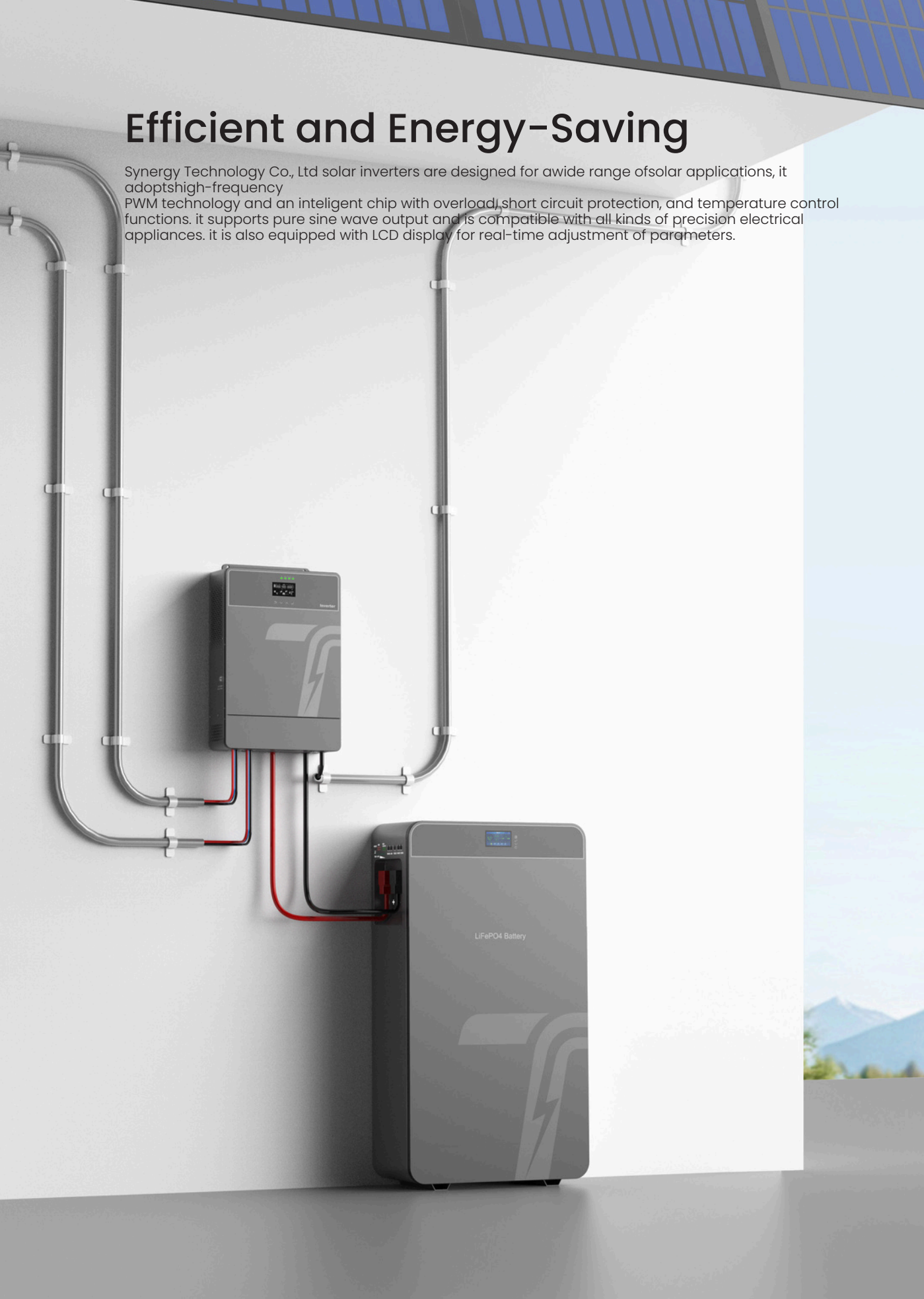
Hybrid Inverter



	JC-HY-AC-5.6kW	JC-HY-AC-10kW	JC-HY-AC-12kW
Rated Output Power	5.6kVA/5.6kW	10kVA/10kW	12kVA/12kW
Battery Voltage Range	40-60Vdc	40-62Vdc	40-62Vdc
Max. Charging And Discharging Powe	5.6kW	10kW	12kW
Battery Type	Li/Lead-acid	Li/Lead-acid	Li/Lead-acid
Product Lifespan	5+ years		
Max. Recommended PV Power	6kW	14.5kW	16kW
Max. PV Voltage	500Vdc	1000Vdc	
Start-UP Voltage	120Vdc	320/350Vdc	
PV Voltage Range	120-450Vdc	320V-1000Vdc	
MPPT Voltage Range	120-450Vdc	350V-850Vdc	
Max. Input Current	22A	2/A:26A,B:13A	2/A:26A,B:26A
Input Voltage Range	220/230Vac	170Vac~290Vac Per phase	
Rated Grid Frequency	50/60Hz		
Max. Charging Current	60A	220A	250A
Max. Output Current	22A	14.5A per phase	17.4A per phase
Rated AC Output Voltage	230Vac	230Vac(P-N)/ 400Vac(P-P)	230Vac(P-N)/ 400Vac(P-P)
Rated AC Output Frequency	50Hz+0.3Hz/60Hz+0.3Hz		
Max. Energy Efficiency	93%		
MPPT Efficiency	97%		
Protection Degree	IP20		
Communication	485	RS485, CAN	RS485, CAN
Operating Temperature	-10°C ~ 60°C		
Dimensions	480×305×118 mm	521.8×392×140 mm	552.1×410×150 mm
Weight	10.1 kg	17.1 kg	21.25 kg

Efficient and Energy-Saving

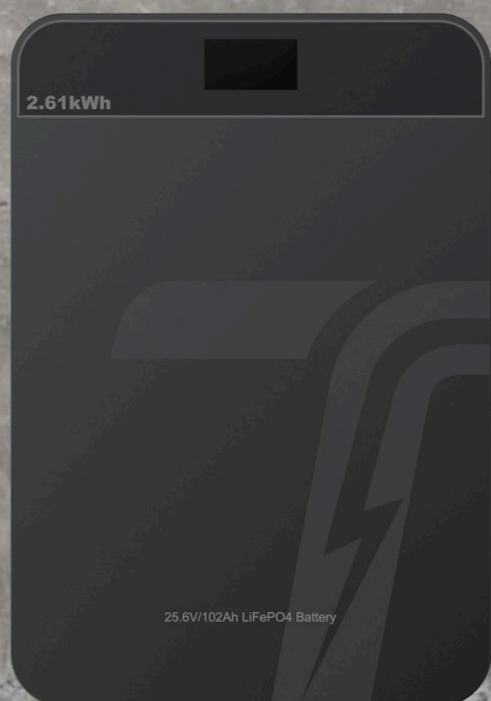
Synergy Technology Co., Ltd solar inverters are designed for awide range ofsolar applications, it adoptshigh-frequency PWM technology and an intelligent chip with overload, short circuit protection, and temperature control functions. it supports pure sine wave output and is compatible with all kinds of precision electrical appliances. it is also equipped with LCD display for real-time adjustment of parameters.



Solar Battery Pack

Home Backup Battery 24V

Home Backup Battery 48V



Solar Battery Pack

Synergy Technology Co., Ltd liFePO4 batteries are equipped with CATL liFepo4 cells with capacities from 1 kwh to 215 kwh. They are suitable for domestic energystorage, industrialand commercial power supply and off-grid energy systems. They have a high cycle life of more than 6,000 cycles and are integrated with an intelligent energy management system that supports seamless switching between photovoltaic, utility and off-grid power modes.



	SNY-LFP48-100-WMD	SNY-LFP48-200-WMD	SNY-LFP48-300-WMD
Rated Capacity	5.22kWh	10.44kWh	15.36kWh
Battery	CATL LiFePO4, 25°C, ≥6000 cycles @70%EOL		REPT LiFePO4, 25°C, ≥6000 cycles @70%EOL
Single Cell Capacity	102Ah	204Ah	300Ah
Rated Operating Voltage	51.2V		
Maximum Output Current	120A	210A	
Standard Input Current	50A (Max 105A)	100A (Max 210A)	150A
Communication Mode	RS485, CAN		
Dimensions (LxWxH)	425×200×600 mm	515×200×850mm	450×250×825 mm
Weight	43.9 kg	89.34 kg	132 kg

Basic Parameters



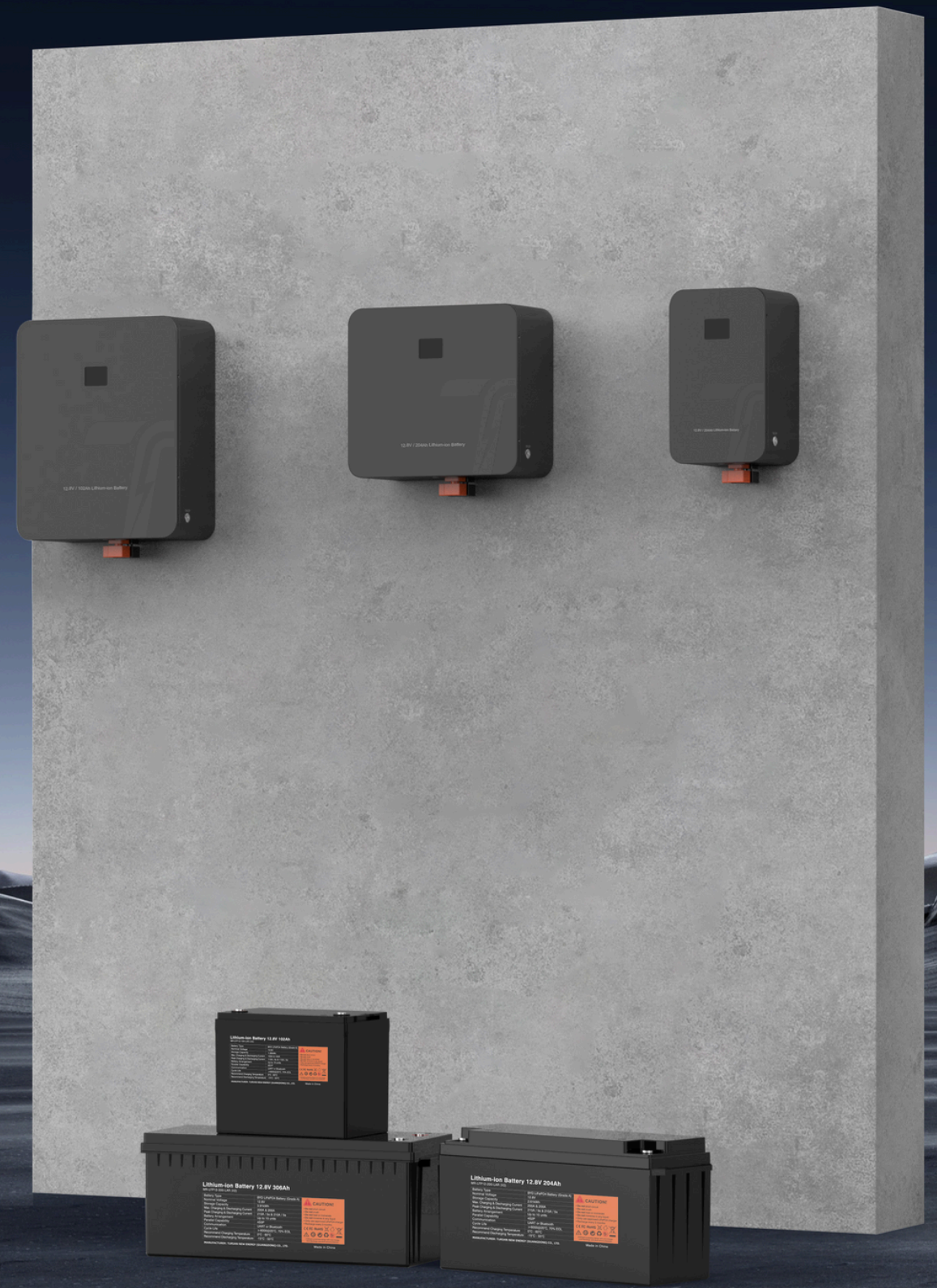
	SNY-LFP24-100-WMD	SNY-LFP24-200-WMD	SNY-LFP24-300-WMD
Rated Capacity	2.61kWh	5.22kWh	7.68kWh
Battery	CATL LiFePO4, 25°C, ≥6000 cycles @70%EOL		REPT LiFePO4, 25°C, ≥4000 cycles @70%EOL
Single Cell Capacity	102Ah	204Ah	300Ah
Rated Operating Voltage	25.6V		
Maximum Output Current	120A	155A	210A
Standard Input Current	50A (Max 105A)	100A (Max 155A)	150A (Max 210A)
Communication Mode	RS485, CAN		
Dimensions (LxWxH)	368×200×530 mm	425×200×600 mm	398×241×600 mm
Weight	26 kg	46 kg	69 kg



	SNY-LFP48-350-FSD	SNY-LFP48-560-FSD
Rated Capacity	17.92kWh	28.67kWh
Battery	CATL LiFePO4, 25°C, ≥6000 cycles @70%EOL	REPT LiFePO4, 25°C, ≥6000 cycles @70%EOL
Single Cell Capacity	350Ah	560Ah
Rated Operating Voltage	51.2V	
Maximum Output Current	210A	
Standard Input Current	160A (Max 210A)	200A (Max 210A)
Communication Mode	RS485, CAN	
Dimensions (LxWxH)	521×430×895 mm	520×450×1045 mm
Weight	138 kg	220kg

Lead to Lithium Battery

Plastic Series
Wall-mounted Series



Basic Parameters



SNY-12V102Ah SNY-12V204Ah SNY-12V306Ah

Rated Capacity	1.30kWh	2.61kWh	3.91kWh
Battery	CATL LiFePO4, 25°C, ≥6000 cycles @70%EOL		
Nominal Capacity	102Ah	204Ah	306Ah
Nominal Voltage	12.8V		
Communication Mode	Bluetooth		
Operating Temperature	-10°C ~ 60°C		
Dimensions	255×165×210 mm	480×165×240 mm	510×200×210 mm
Weight	9.94 kg	19.49 kg	29.25 kg

Basic Parameters



SNY-LFP12-100WMD SNY-LFP12-200WMD SNY-LFP12-300WMD

Rated Capacity	1.30kWh	2.61kWh	3.91kWh
Battery	CATL LiFePO4, 25°C, ≥6000 cycles @70%EOL		
Nominal Capacity	102Ah	204Ah	306Ah
Nominal Voltage	12.8V		
Screen Type	HFD Screen		
Communication Mode	Bluetooth, RS485		
Operating Temperature	-10°C ~ 60°C		
Dimensions	315×190×155 mm	315×350×155 mm	420×350×155 mm
Weight	11.3 kg	21.65 kg	31.25 kg

Plastic Series

Synergy Technology Co., Ltd lithium batteries have high energy output with multiple capacity options, providing plenty of power for yourcamping life.



LiFePO4 APP



On the “App Store” detail page, you will see a “Get” or “Download” button.
Click on it and you may be asked to enter your Apple ID password or use Face ID/Touch ID for authentication.



Wall-Mounted Lead To Lithium Batteries

SmartAppEnergyControl,WithafastandstableBluetoothconnection,accesskeyinformationabout your Battery.

