PRODUCT BROCHURE

the affordable energy storage people



Your energy independence, sorted

We're PolarESS, and we build trusty little battery storage systems that won't break the bank. Energy bills are crazy, inflation is crazy, and carbon emissions are crazy. And home energy storage solutions can help tackle all those problems. So, we're making the tech affordable for everyone.

No more dirty energy. No more daft bills.

A PolarESS battery storage system will help you save loads of money on your energy bills. It'll help get your home off fossil fuels. And it will help you track and control your energy in a super easy way.

85%

potential energy bill savings per year

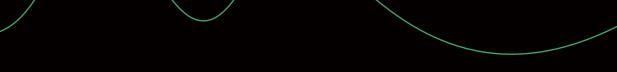
<1

day installation turnaround

50-60%

of the cost of the battery storage heavies >300

/p.a. average carbon emission reduction per home



POLAR ESS ENERGY STORAGE SOLUTION

Solid products. Small price tags.

Power Your House



Hybrid Inverter

ALPS HY3.6-GL ALPS HY4.6-GL ALPS HY5.0-GL ALPS HY6.0-GL ALPS HY8.0-GL



Home Battery 5.2kWh

ALPS BA5.2

Power Your Independence



High-frequency Off-grid Inverter

ALPS OG3-24 ALPS OG5.5-48P ALPS OG11-48P



Home Battery 4.8kWh

ALPS BA4.8



Low-frequency Off-grid Inverter

ALPS OG4-48LF

Power Your Business



SME Commercial ESS



Battery Storage
Container

Power on the Go



Portable Balcony Energy Storage System

ALPS PP2.0



12V LFP Battery

Software



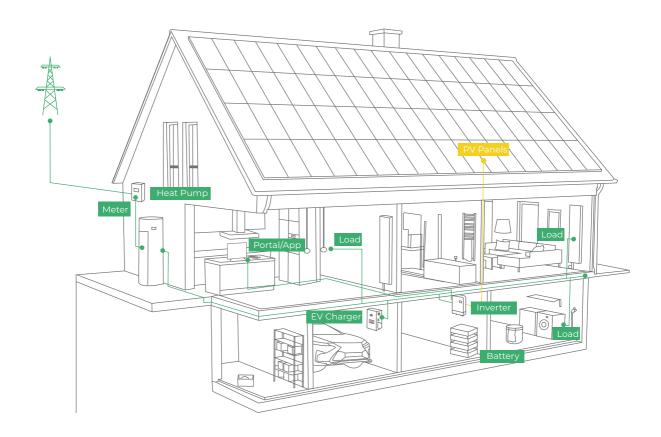
The Portal
The App

Power Your House

- More added value



The Complete Home Battery Storage Solution





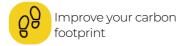




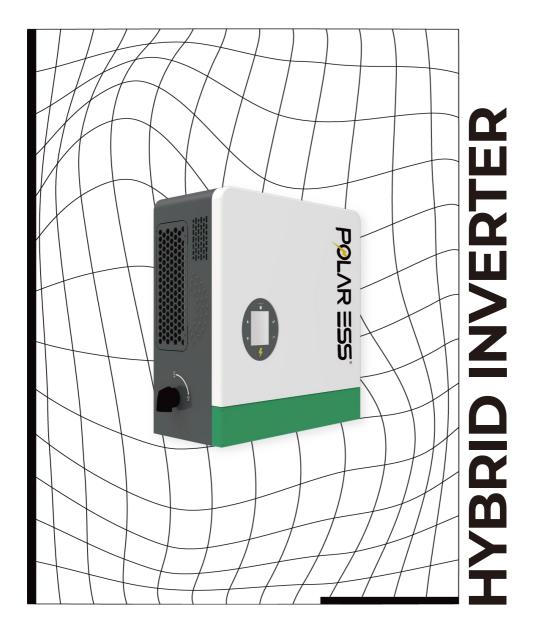












ALPS Series Hybrid Inverter 3.6KW/4.6KW/5KW/6KW/8KW

Your inverter is the computer that tracks and monitors everything.

Designed to offer an economical solution with premium functionality, the hybrid inverter combines the benefits of grid-tied and off-grid systems, allowing you to optimize your energy usage and save cost while ensuring reliable power supply.



SCALABLE

Supports multiple parallel operations, so you can scale as you like.



ECONOMICAL

Seriously high cost-performance ratio, featuring 2 MPPTs, wide PV voltage range and LCD display.



LINKABLE

Connect your third-party devices via dry contact or DI port.

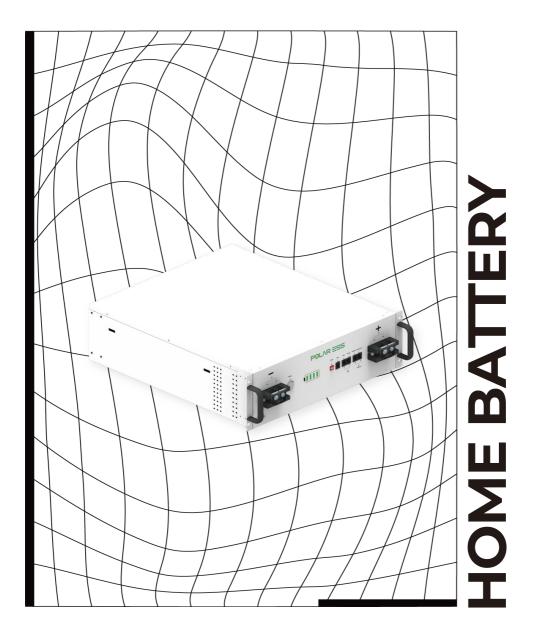


AFFORDABLE

Coming to you at 50-60% of the cost of the industry heavies.

Model ALPS	HY3.6-GL ALI	PS HY4.6-GL AI	_PS HY5.0-GL	ALPS HY6.0-GL	ALPS HY8.0-GL
		Input Data (I	>V)		
Max. PV Input Power 540	00W	7000W	7500W	9000W	12000W
Start-up Voltage			90V		110V
Max. PV Open-circuit Voltage		ļ	550V		
MPPT Voltage Range		90	V-530V		
Rated MPPT Voltage			360V		
Max. PV Short-circuit Current		2	2*23A		
Max. PV Input Current		17	/A/17A		20A/20A
MPPT Tracker/No. of Strings per	r MPPT Tracker		2/1		
		Battery			
Battery Type		Lead	-acid or Li-ion		
Battery Voltage Range	46.7-57.6V				
Nominal Voltage			51.2V		
Max Charging/Discharging Current	83A/83A	104A/104A	112A/112A	130A/130A	175A/175A
Max. Battery Charging/Discharging Powe	r 4000W/4000W	5000W/5000W	5400W/5400W	6500W/6500W	8500W/8800W
Battery Communication		RS	5485 / CAN		
		Output Data	(AC)		
Rated AC Output Power	3600W	4600W	5000W	6000W	8000W
Rated/Max. Apparent Power	3600VA	4600VA	5000VA	6000VA	8000VA
Rated/Max. Output Current	16Aa.c.	20Aa.c.	21.7Aa.c.	26Aa.c.	34Aa.c.
Nominal Grid Voltage/Range		230	V / 180-270V		230V/184-260\
Nominal Frequency/Range		50 /	60Hz; ±5Hz		50±5Hz
Power Factor(@Full Load)			>0.99		
Power Factor Range	0.8 Lagging - 0.8 Leading 0.85 Lagging - 0.85 L			ging - 0.85 Leading	
THDI (@Rated Power)			<3%		

AC Output Topolog	C Output Topology Single Phase					
	Backup					
Nominal EPS Outp	ut Power	3600W	4600W	5000W	6000W	8000W
EPS Peak Power (1	Os)	7200VA	9200VA	10000VA	12000VA	16000VA
AC Nominal Voltag	je		230\	/a.c.		
Rated/Max. Output	Current	16Aa.c.	20Aa.c.	21.7Aa.c.	26Aa.c.	34Aa.c.
Nominal Frequenc	У		50 H:	7		
Automatic Switch	Time		≤10m	S		
THDV (Linear Load)		<3%			
			General Da	ta		
Battery Max. Charg	jing/Dischargin	g Efficiency	94%/	94%		
PV to AC Max. Effic	iency		97.0	0%		
Euro Efficiency			96.5	%		
MPPT Efficiency	MPPT Efficiency 99.90%					
Ingress Protection			IP2	0		
Protective Class			1			
Overvoltage Categ	tegory PV: II, Battery: II, AC: III					
Inverter Topology	PV: Transformer-less; Battery: Isolated					
Cooling			Forced Air	Cooling		
Noise Emission (Ty	pical)		<450	dB		
Operating Temper	ature Range		-25 ~ 6	60°C		
Full Load Operatio	n Temperature		-25 ~ 4	45°C		
Relative Humidity			0~100%, Non-	condensing		
Max. Altitude			4000m (Derating	g above 2000m)		
Dimensions (W×H	(D)		455mm×425n	nm×190mm		
Weight			22k	g		25kg
Self-consumption			10V	V		
Display			LCD/	LED		
Interface		Communication with Meter - Pluggable Connector Communication with Portal - Wi-Fi (USB) 2×Programmable DI/DO				
Warranty			3 \	/ears		
Certificates	C	E, UKCA, G98, G99,	EN50549, C10/11, VD	E-N4105, NTS2.1, UNE2	17001, NRS097, AS477	7.2



5.2kWh Battery Storage Systems

Your battery stores energy that can power your home.

- o If you've got solar panels in place, you can charge it for free and save the sun's energy for later.
- If you've not got solar panels, use smart tariffs. On a smart tariff, your battery charges when energy is cheaper than normal. (Like overnight, or when wind farms are giving the grid loads of power.)
- o Either way, that lovely cheap energy in your battery will supply your home when you need it.



SCALABLE

Run up to 16 batteries in parallel – for a usable capacity of over 80kWh.



FLEXIBLE

Rack-mounted or floor-standing, suitable for retrofit projects, new solar projects, or as a standalone battery.



DURABLE

High safety LFP battery cell, built to last, with a design life of 6000 cycles.



RELIABLE

Over-charging /discharging protection Over-current protection Over and under temperature protection Short-circuit protection Clever battery reverse protection function

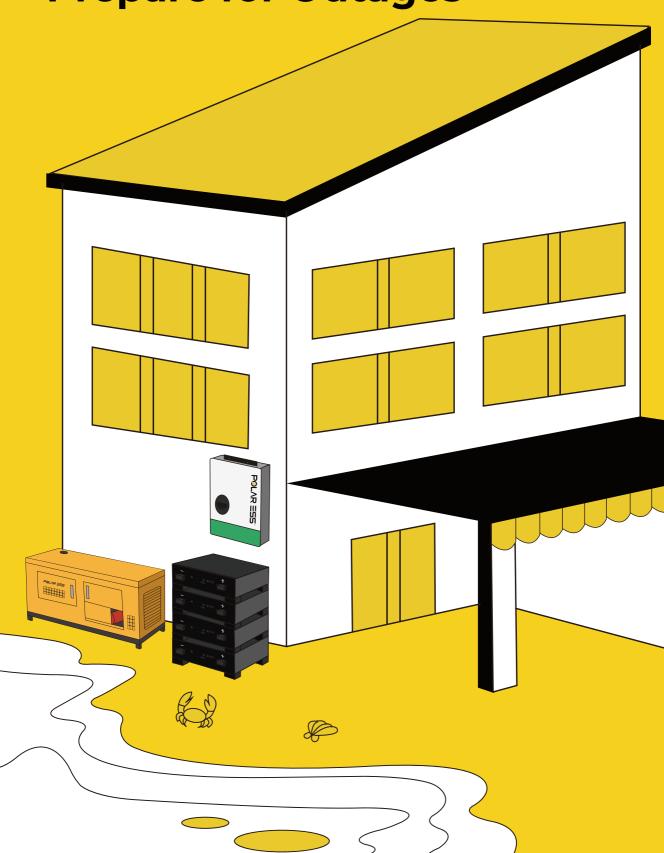


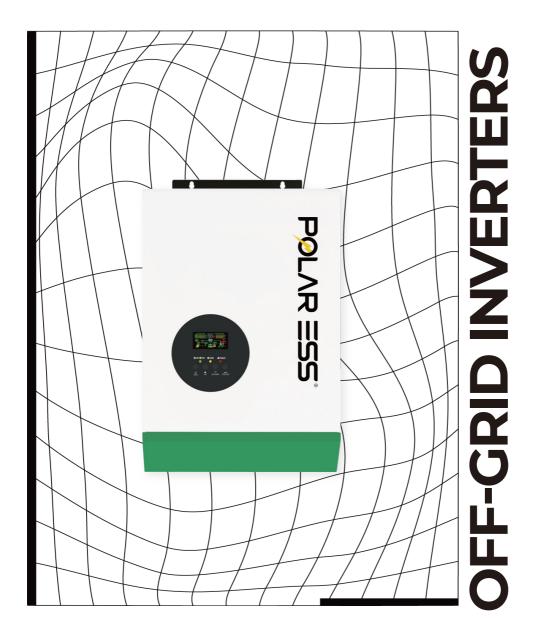
AFFORDABLE

Coming to you at 50-60% of the cost of the industry heavies.

Model	ALPS BA5.2
Nominal Voltage (Vdc)	51.2
Voltage Range (Vdc)	44.8~ 57.6
Nominal Capacity (Wh)	5120
Recommended Charge /Discharge	Current(A) 50
	100
Charge / Discharge Current(A)	100~120 @15mins
	>120 @ 15secs
Communication Port	RS232,RS485,CAN
Working Temperature (Charge)	0~50°C
Working Temperature (Discharge)	-10~50 °C
Storage Temperature	-20~60 °C
Protection Class	IP20
Humidity	5% ~ 95%(RH) No Condensation
Altitude	<4000m
Cycle Life	6,000 (25°C)
Standard	CE/UN38.3
Number of Parallel Batteries (Max.)	16
Dimensions(D x W x H) 505 x 134 x 440mm	
Weight (kg)	46
Installation	Rack Mounting or Floor Standing
Technology	Lithium-ion

Power Your Independence - Prepare for Outages





ALPS High Frequency Off-grid Inverters 3kW-11kW | 24V-48V

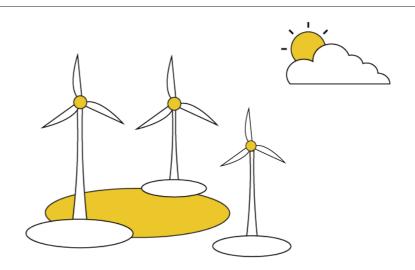
Smaller Size, Lighter Weight, Higher Efficiency

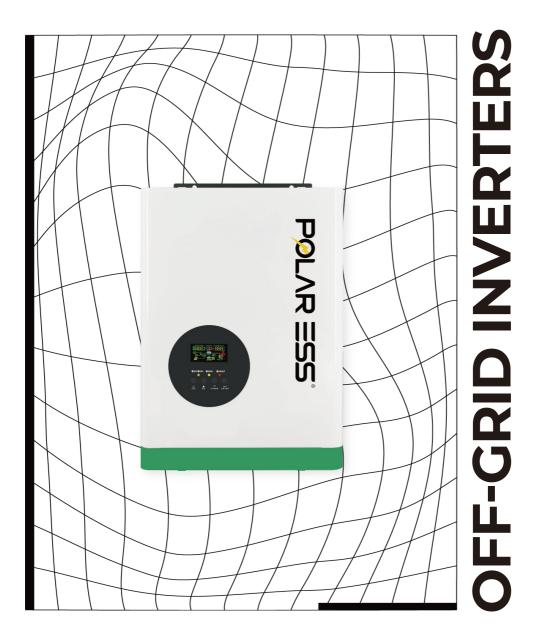
Ideal for remote areas, this inverter seamlessly connects to solar panels and various batteries for flexible energy solutions. It offers real-time monitoring, stable power delivery for electronics, and built-in safety features. Easily scalable through parallel operation, it's a versatile solution for efficient and independent power generation, perfect for emergencies.

- High-frequency inverter with high efficiency and light weight design.
- Pure sine wave output, adaptable to various loads, and delivering highquality power.
- Compatible with lithium battery, and lead acid battery.
- Parallel Capability: Supports up to 9 units, offering expanded capacity (ALPS OG3-24 not included).
- Real-time display of power consumption, offering convenient awareness.
- O Power factor 1.0, indicating a robust load capacity.
- Output short circuit protection ensures system safety by rapidly shutting down during a short circuit.
- O Numerous parameters can be customized based on user requirements.
- O Max PV input of 500Vdc minimizes PV-side installation wiring.
- Capable to work without battery, enabling grid independence with PV input only.
- O Supports on-demand activation of lithium batteries, optimizing performance.

Model	ALPS OG3-24	ALPS OG5.5-48P	ALPS OG11-48P	
		Input		
Nominal Input Voltage		220/230/240VAC		
Input Voltage Range		90-280VAC±3V (Normal Mode) 170-280VAC±3V (UPS Mode)	
Frequency Range		50/60Hz±5%		
		Output		
Rated Power	3000W	5500W	11000W	
Output Voltage		220/230/240VAC±5%		
Output Frequency	50/60Hz±0.1%			
Waveform	Pure Sine Wave			
Transfer Time (Adjustable)	10ms (for Computer Equipment); 20ms (for Household Equipment)			
Peak Power	6000VA	11000VA	22000VA	
Overload Capability	Battery Mode: 10.5s @110%~150% Load; 5.5s @150%~200% Load; 200ms @>200% Load			
Peak Efficiency	94%			

		Battery		
Rated Voltage	24VD	24VDC		
Constant Charging Vol	ltage 28.2VI	DC	56.4VDC	
Float Charging Voltage	e 27VD	OC .	54VDC	
		Charger		
PV Charging Method		MPPT		
Max. PV Power	4000W	5500W	2*5500W	
MPPT Voltage Range		120~500VDC		
Max. PV Input Voltage		500VDC		
Max. MPPT Current	16A	20A	20A/20A	
Max. PV Charge Currer	nt 100A	100A	160A	
Max. AC Charge Currer	nt	60A		
Max. Charge Current	100A	100A	160A	
		General Data		
LCD	Capable of displ	Capable of displaying the operating mode, load, input, and output information.		
		RS232: Baud Rate 2400		
Communication Port	Expansic	on Slot Interface: Lithium Battery BMS	S, WiFi, Dry Contact	
	No Parallel Support		Support Parallel	
Operating Temperatur	·e	0°C~40°C		
Storage Temperature		-15℃~60℃		
Humidity		20%~95% Non-condensing		
Altitude (Max.)		4000m (Derating above 2000m)		
Noise		<50dB		
Dimension (H x W x D)	495 x 312 x 125mm		571 x 500 x 141mm	
Weight(kg)	7.5	8.56	19.5	





ALPS Low Frequency Off-grid Inverters 4kW | 48V

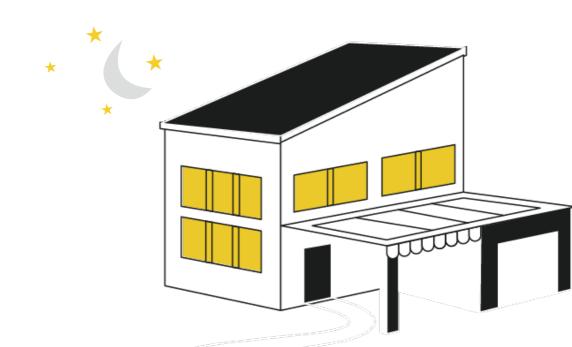
Highly reliable for areas with unstable or absent power grids.

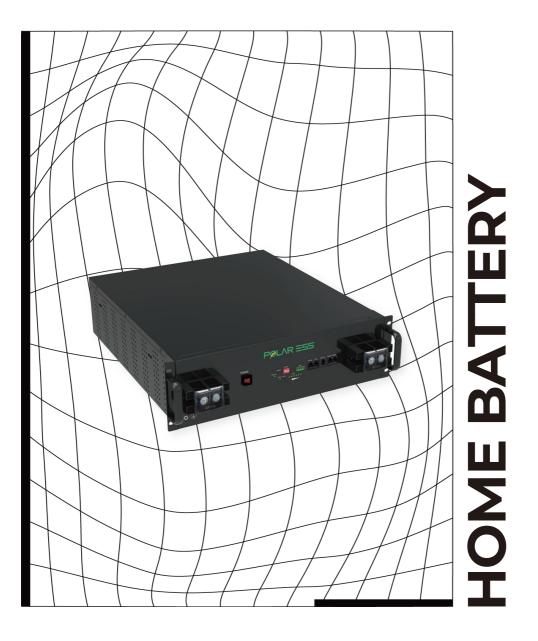
ALPS Power Frequency Off-grid Inverters efficiently convert DC power from sources like solar panels into stable AC power. Adaptable to different loads, they offer versatility in power applications. Often employed in remote locations or areas without reliable grid access, these inverters contribute to energy independence by enabling users to generate and use their own electricity. With real-time monitoring and safety features, they are essential for reliable and self-sufficient power solutions.

- Pure sine wave output, adaptable to various loads, and delivering high-quality power.
- Built-in isolation transformer to better handle unstable and harsh grid conditions.
- Powerful charge rate of up to 90 amps for highly efficient charging.
- Real-time display of power consumption, offering convenient awareness.
- Featuring DC start capability and automatic self-diagnostic function, ensuring smooth initiation with direct current power and ongoing system checks for efficient, reliable operation.
- Auto-restart on AC recovery for seamless operation, combined with DC start and self-diagnostic checks for continuous functionality.
- O Adjustable charging current tailored to specific applications.
- Optional priority selection for AC, DC, and Solar inputs, providing flexibility and customization based on your power source preferences.
- Significantly reduced no-load power consumption, less than half compared to high-frequency inverters, saving power and ensuring efficiency.

Model	ALPS OG4-48LF			
Nominal Voltage	220 / 230 / 240V			
Voltage Range	154-264VAC ± 3V (Normal Mode) 185-264VAC ± 3V (UPS Mode)			
Capacity (VA)	5000VA			
Input Voltage (DC)	48V			
Rated Power	4000W			
Frequency	50/60Hz±1%			
Output Voltage (AC)	220/230/240VAC±10%			
Output Frequency (AC)	The output voltage frequency under AC matches the input frequency.			
Waveform	Pure Sine Wave			
Battery Type	Lead Acid Battery, Lithium-ion Battery			
Battery Voltage	48VDC			
Battery Charging Voltage	54.8VDC			
Max. PV Array Power	48V: 3200W			
PV Input Voltage Range (PWM / M	TTP Controller) 48V: MPPT 60V-150VDC			
Max. PV Open-circuit Voltage	48V: MPPT 150VDC			

Maximum Solar Charging Curr	ent 60A
Maximum AC charging Curren	t 48A
Standby Current	32W
	Overload Protection
Destructions	Short-Circuit Protection
Protections	Low Voltage Protection
	Battery Reverse Connection Protection (with Fuse)
Communication	RS232, RS485 and BMS
LCD Indicator	AC Input Voltage, AC Input Frequency, PV Voltage, PV Current, Output Voltage, etc
	Dot matrix screen plus LED display / Segment code screen + LED display.
Display	• Easily navigate and view parameters like AC voltage, AC frequency, PV voltage, PV current, output voltage, output frequency, battery voltage, and load current.
	· LED indicators display the status of power, charging, inverter and main power.
Working Temperature	0-40℃
Storage Temperature	-15~45°C
Relative Humidity	5%~95% Non-condensing
Noise	<45dB
Dimension (H x W x D)	490 x 312 x 125MM
Weight	22kg





4.8kWh Battery Storage Systems

Your battery stores energy that can power your home.

Available in 4.8kWh and 5.12kWh options, the ALPS series battery offers a compelling blend of affordability and performance. Harness renewable energy, reduce reliance on the grid, and enjoy significant savings on electricity bills. Seamlessly integrate with your existing setup and take control of your energy usage, empowering your energy independence efficiently and economically.



SCALABLE

Run up to 16 batteries in parallel – for a usable capacity of over 70kWh.



FLEXIBLE

Rack-mounted or floor-standing, suitable for retrofit projects, new solar projects, or as a standalone battery.



DURABLE

High safety LFP battery cell, built to last, with a design life of 6000 cycles.



RELIABLE

Over-charging /discharging protection Over-current protection Over and under temperature protection Short-circuit protection Clever battery reverse protection function



AFFORDABLE

Coming to you at 50-60% of the cost of the industry heavies.

Nominal Voltage (Vdc)	48
Voltage Range (Vdc)	42~ 54
Nominal Capacity (Wh)	4800
Recommended Charge /Discharge	e Current(A) 50
	100
Charge /Discharge Current(A)	100~120 @15mins
	>120 @15sec
Communication Port	RS232,RS485,CAN
Working Temperature (Charge)	0~50°C
Working Temperature (Discharge)	-10~50 °C
Storage Temperature	-20~60°C
Protection Class	IP20
Humidity	5% ~ 95%(RH) No Condensation
Altitude <4000m	
Cycle Life	6,000 (25℃)
Standard	CE/UN38.3
Number of Parallel Batteries (Max.) 16
Dimensions(D x W x H) $505 \times 134 \times 440$ mm	
Weight (kg)	45.1
Installation	Rack Mounting or Floor Standing
Technology	Lithium-ion

Power Your Business - 69kWh to Utility Scale MWh





SME Commercial ESS | 69kWh

A battery and PCS combined - unrivalled for power and price point.

With the Commercial ESS, you can power your small to medium sized enterprise even the highest-demand loads with maximum efficiency, minimum energy costs. It's suitable for various industrial parks, malls, hotels, hospitals, etc.



All-in-one Integration

The PCS, battery pack, BMS, EMS, intelligent air cooling systems are seamlessly integrated within a compact cabinet.



Easy to Install & Operate

Factory pre-assembly enhances system integration, simplifying transportation and deployment on site.



Modular Design

Allows for flexible system scale expansion through the parallel use of multiple machines.

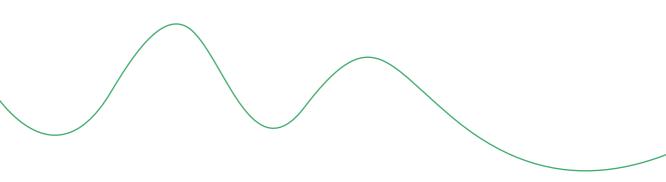


Online Monitoring

All data, including cell voltages, pack temperatures, power and energy values, are regularly reported to the cloud. Mode selection and timed control are available via the web or APP, enabling a full remote monitoring platform.

Model	Polar-SME-30/64-ID	Polar-SME-50/64-ID
	Battery	
Battery Type	LFP 3.2V/100Ah	
Battery Pack Configuration	1P24S	
Battery Module Connection	1P216S	
Rated Voltage	691.2V	
Voltage Range	580-788.4V	
Battery Module Qty	9	
System Capacity	69.12kWh	
Usable Capacity	64kWh	
	AC Output	
Rated Power	30kW	50kW
Max. Output Power	33kW	60kW
THDi	≤3% (rated power)	
Rated Voltage	230V/400V	
Voltage Range	360-440V	
AC Connection	3P4W+PE	
Rated Frequency	50Hz/60Hz	
Power Factor	1 Lagging 1 Leading	
	Protection	
DC Reverse Polarity Protection	Yes	
Output Over Current Protection	Yes	

Output Over Voltage Protection		Yes	
Short Circuit Protection		Yes	
Surge Protection		Level 2	
High and Low Voltage Ride-throug	h	Yes	
	Con	mmunication	
Communication Interfaces		RS485/CAN/Ethernet	
Human Machine Interface		Touchscreen	
	G	eneral Data	
Charge/Discharge Rate	0.5C		1C
Depth of Discharge		90%	
Battery Cycle Life	≥6000		≥4000
Topology		Transformerless	
Max. Efficiency	≥90%		≥89%
Protection Class		IP20	
Cooling Method		Fan Cooling	
Communication Protocol		CAN/RS485/LAN	
Operating Temperature		0°C~55°C	
Humidity	0~95% (No Condensation)		
Size (W*D*H)	600mm*800mm*2000mm		600mm*800mm*2160mm



880kg

850kg

Weight

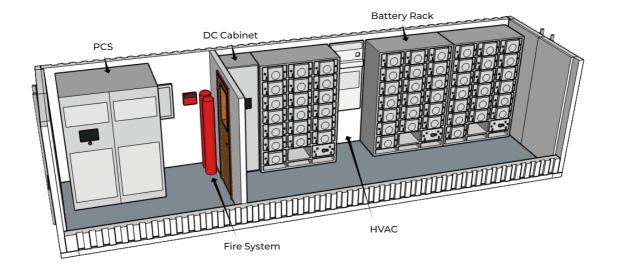


Battery Storage Container 30-500kW | 200kWh-5MWh

Compact, mobile, convenient, and fully customised to your power needs

Polar ESS battery storage container ensures safety of your critical battery assets.

We can neatly fit a large-scale commercial battery storage system into a specially designed container, giving you the freedom to place it wherever you need.



PCS

The Power Conversion System converters AC to DC to charge and discharge the batteries. The PCS has a screen and emergency stop on the front cover and isolators inside.

DC Cabinet

Our Direct Current Cabinet with BMS integrated, is designed for managing and distributing direct current electricity, ensuring the efficient operation of a system. It provides functions such as aggregation, distribution, and protection against overloads and short circuits in the DC power circuit.

Battery Racks

Each battery rack contains its own BMS that monitors and controls the voltage and temperatures of each pack / cell, this information is sent to the screen on the BMS unit.



Flexible Installation

Can be placed anywhere according to your needs.



Customized Power Solutions

Range from 30kW to 500kW power and 200kWh to 2800kWh capacity, housed in containers ranging from 10 to 40 feet. Multiple containers can be stacked for larger storage needs.



Assured Performance

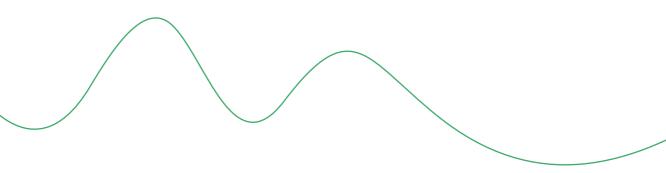
The system is fully equipped with all necessary systems, Class 0 fire rating, and complete insulation, ensuring efficient operation.

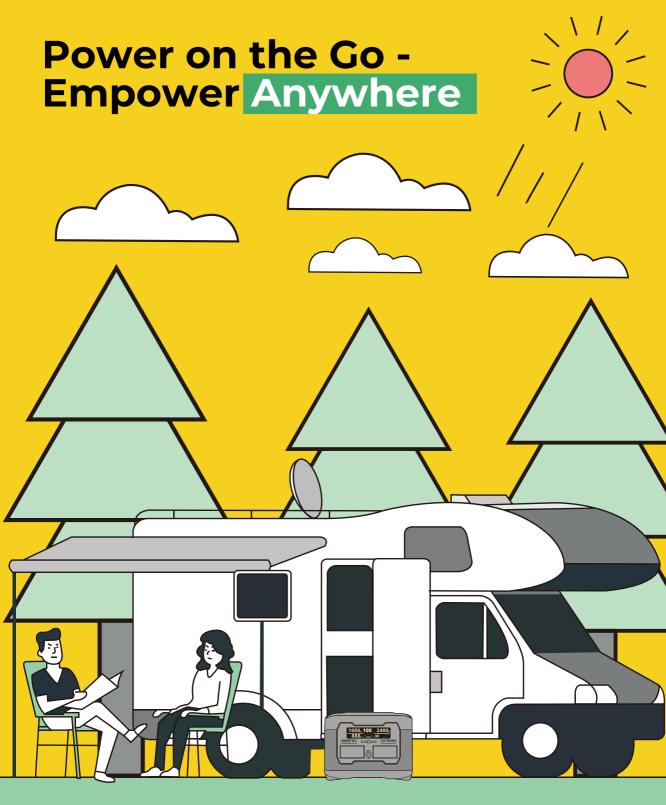


5/10 Year Warranty

Supplied with a full manufacturers warranty. Our support team are 24/7 on hand to help if any issues arises.

Model	C&I ESS 215kWh	C&I ESS 1.2MWh	C&I ESS 2MWh
	System	nformation	
Nominal AC Power	100KW	500KW	1MW
Nameplate Capacity	215kWh	1.2MWh	2MWh
Dimensions (W×D×H)	1200×1800×2350	20ft Container	40ft Container
Weight (Totally)	2400kg	17000kg	28000kg
Advantage	Low Field Labor CostPlug & Play Flexible Deployment		
Cooling	HVAC		
Fire Suppression System	Aerosol		
Certificates	IEC62619 & IEC62477 & CE & IEC62368 & IEC/EN50549 etc.		
	Working	Conditions	
Degree of Protection	NEMA 3R/IP54		
Noise Emission	<70dB@1m		
Operating Temperature	-20°C - 60°C*		
Relative Humidity	O - 95%		
Max. Working Altitude	5000m (Derated above 3000m)		
	* Charge/discharge rat	e and capacity reduced at lower and	higher temperatures

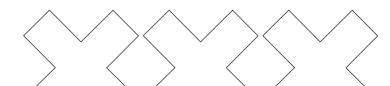






Portable Balcony Energy Storage System | 2-4kWh

Balcony Solar Energy and Portable Power Station in one product



All-in-one design: 3 selectable operational modes based on your specific needs or situations.



Full Power Generation Mode

A reliable substitute for fuel-based generators, offering a comprehensive whole-home backup power solution, ensuring uninterrupted electricity supply during outages.



PPS (Portable Power Station) Mode

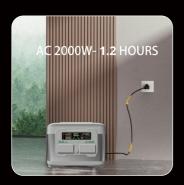
Designed for mobility, our PPS mode offers multiple charging outlets. Light-weight and compact, it serves as a go-to energy source for camping, emergencies, and remote worksites in off-grid scenarios.



Micro-inverter Mode

The built-in Micro-inverter effortlessly converts solar panel DC to AC for immediate use or grid integration, featuring free installation. This eliminates the need for extra purchases and ensures a user-friendly operation.

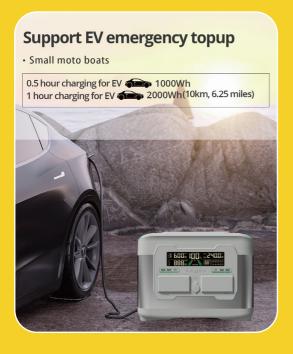
Mega fast charge: 3 ways to recharge







APPLICATIONS









1.05

Professional Field working

Emergency rescue

· Outdoor work

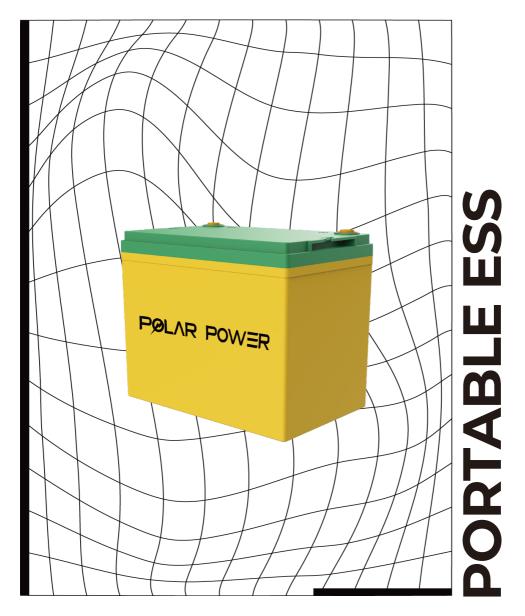


Delight in outdoor leisure activities

• Camping/ outing

• Field adventure/ Sturdy

Model	ALPS-PP2.0	
	Battery Info	
Type of Battery	LMFP	
Capacity	2047.5 Wh	
Cycle Life	2000 to 80%	
Warranty	2 Years	
	PV Power Input	
Input Port	XT60	
Input Power	1200W	
Input Current	Max 20A	
Input Voltage	11.5V - 100V	
Charging Temperature	0~55°C	
	Power Output	
DC Output	24V=5A; 12V=10A	
Cigarette Lighter Output	12V=10A	
USB Output	QC3.0 * 4; 5V 3A; 9V 2A; 12V 1.5A	
Type-C Output	5V; 9V; 12V; 15V=3A / 20V=5A	
AC Output	110V 50Hz / 60Hz 1500W or 230V 50Hz 2400W	
	Mains Power Input (110V)	
Input Power	500W - 1500W	
Input Current	MAX 15A	
Input Voltage	90V - 130V	
	Mains Power Input (230V)	
Input Power	500W – 2000W	
Input Current	MAX 10A	
Input Voltage	180V – 260V	
	General	
Product Weight	28.9 kg	
Product Dimension	432×334×296mm	
Packaging Weight	30.7 kg	
Packaging Dimension	540×400×440mm	
	CE-EMC	
Certifications	CE-LVD FCC-ID PSE UI2743 UKCA-EMC	
	UKCA-LVD	
	1 pc AC charging cable	
Package	1 pc user manual	
	1 pc power station	



Polar Power Series LFP Battery 12V 104Ah

Replace Lead-acid battery, Experience unbeatable price.

A rechargeable Lithium Iron Phosphate Battery with a capacity of 104Ah and avoltage of 12V is versatile for various applications traditionally relying on Lead Acid, GEL, or AGM batteries such as caravans, marine vessels, golf carts, solar storage, remote monitoring, and switching systems. Its advanced battery cells guarantee a prolonged cycle life and outstanding discharge capabilities.

MEET THE POLAR POWER 12V BATTERY.

- Over-charging / discharging protection
- Over-current protection
- Over and under temperature protection
- Short-circuit protection
- Constant power during discharge (very low internal resistance)
- Very low self-discharge (<3 % per month)

This battery can be used in any application that would normally use Lead Acid, GEL or AGM type batteries.



Off-grid solar and wind energy storage



Electrical vehicles: Caravan, Golf carts, Marine



Robotics and AGVs



Medical equipment



Telecom



CCTV and security camera



DURABLE

The advanced battery cells provide over 4000 cycles, 100A continuous discharge. In contrast, traditional lead acid batteries usually last 400–500 cycles.



COMPACT POWER

Approximately 50% lighter and 40% smaller compared to an equivalent Lead-acid battery, while delivering the same usable energy.



OPTIMAL SAFETY

Our LFP battery incorporates an ultra-safe chemistry, eliminating the risks of thermal runaway, fire, or explosions.



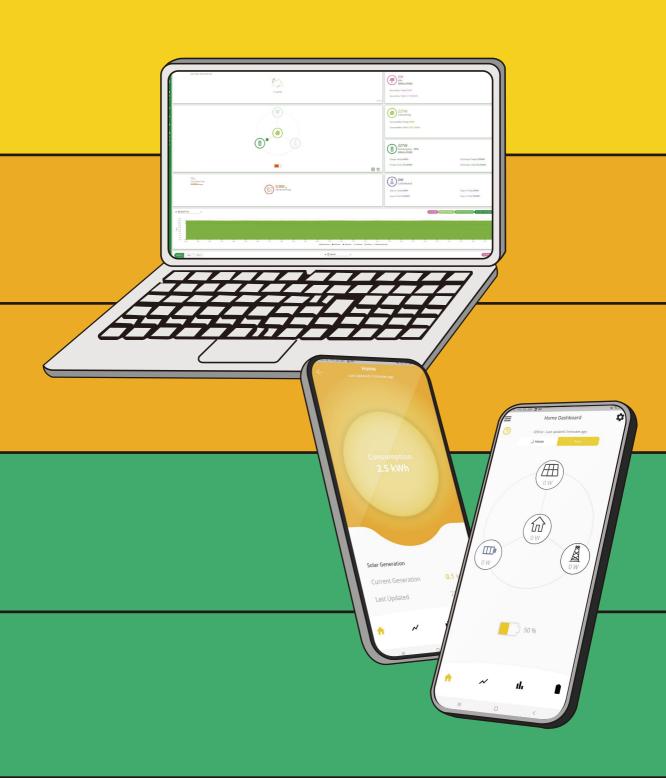
AFFORDABLE

Coming to you at 50-60% of the cost of the industry heavies.

Model	ALPS BA-12-104
Rated Capacity	104Ah
Nominal Voltage (Vdc)	12.8
Voltage Range (Vdc)	11.2-14.4V
Nominal Capacity (Wh)	1331
Charge /Discharge Current (A)	100
Working Temperature	0~50°C (Charge) -10~50°C (Discharge)
Storage Temperature	0~50°C
Protection Class	IP20
Humidity	5% ~ 95%(RH) Non-Condensation
Altitude	<4000m
Cycle Life	4000 Cycles (@0.5C)
Standard	CE/UN383
Dimensions (L x W x H)	260 x 168 x 214.7 mm
Warranty	1 year

Smart Energy Management Platform

- Low on cost. Big on control.



The Portal.

Your portal hosts the full details of your energy data. It's for detailed management and monitoring.

Remotely manage your system in the cloud with total control.

Get clicky with our clean, easy-to-use interface.

Get up close and personal with your data with up-to-the-minute visibility, and granular insights.

Plus limited-time launch offer: full access to even our advanced and premium features for the first 12 months.





The App.

Your app is lighter and designed to keep you connected on the go.

Grab all the prime, headline info on import, export, generation, demand, and battery status.

Plus limited-time launch offer: full access to even our advanced and premium features for the first 12 months.

Make any ad-hoc changes you need, based on where the day is taking you.

Download completely free from Google Play or the App Store.

POLAR ESS®

