Gospower

16.8kW/32kWh~201.6kW/768kWh Small Commercial Microgrid ESS



Flexible Single/Three-Phase Configuration

Easily configurable as single or three-phase systems for effortless deployment

Max. 2x PV

Industry-leading 2x PV input capacity maximizes power generation and returns

Easy installation

Unified rack design ensures a compact footprint and clutter-free wiring

314Ah High-Capacity Cells

8000+ lifecycles guarantee stable, enduring power for critical applications

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≤50dB

Operates at library-level silence, perfect for noise-sensitive environments

Safe 48V Low-Voltage Architecture

Low-voltage parallel architecture ensures superior cell consistency; a single module fault will not shut down the system, maximizing stability

Intelligent Dual Output

Supports Smart Load Control and Solar-Storage-Diesel modes for diverse needs

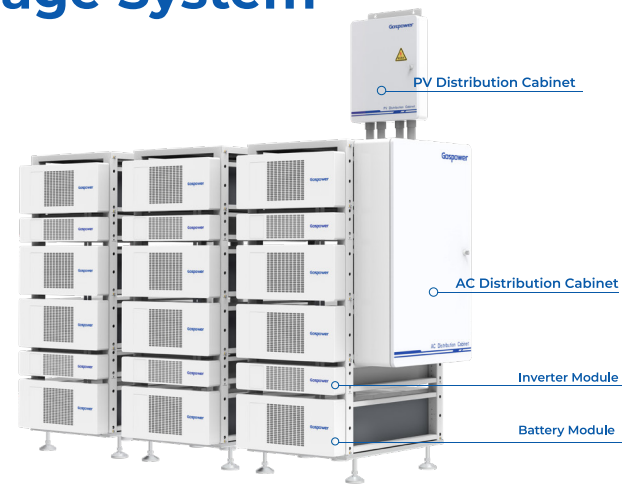
Generator Compatible

Auto-generator control powers loads and recharges batteries for zero downtime

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100kW/192kWh Energy Storage System

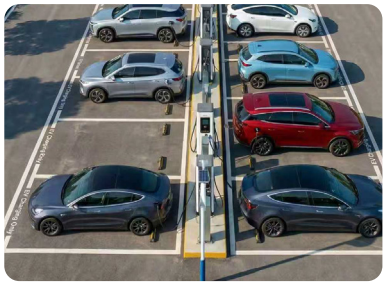




Application Scenarios



Hotels



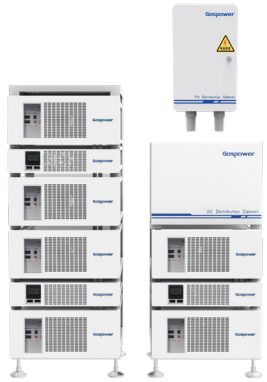
PV & Storage Charging Stations

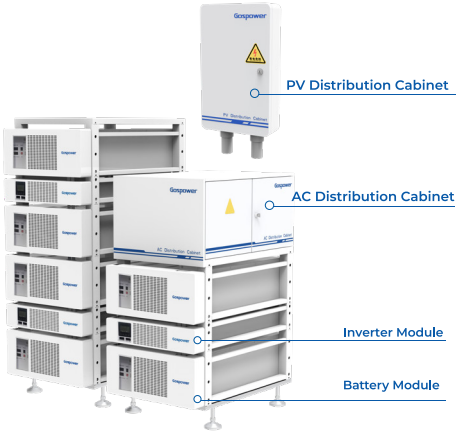


Commercial Centers / Supermarkets

Model	Typical Solutions 100.8kW/192.9kWh		
PV (DC Input)		**Battery Parameters (Bidirectional)**	
Max.PV input power	36480w x6	Battery type	LiFePO4
Max. PV Voltage (Voc)	500V	Battery voltage range	40~60Vdc
Rated PV Voltage(Voc)	380V	Max.charge/discharge current	1800A/2100A
MPPT Voltage Range	85V-450V(@80V start up)	Nominal battery energy	192.9kWh
No. of MPPTs	3x6	Battery capacity	314Ah 8000cycles (25±2°C,0.5C/0.5C, EOL70%)
Max. Strings per MPPT	2		
Max. Current per MPPT	32A/32A/32A	fire extinguishing system	condensed aerosol fire extinguishing device QRR0.03G/S-AX
Max. Isc per MPPT	40A/40A/40A		
General Parameters		**Back-up (AC Output)**	
IP rating	IP52 (with dust filter)	Rated output power	100.8KW/100.8KVA
Operating temperature	-10°C~ 55°C	Rated output current	76.5Ax2 Max
Distribution Cabinet	YES	Rated output voltage/Frequency	220/230/240Vac or 380/400Vac,50/60Hz
Relative humidity range	5%~95%		
Max.operating altitude	>2000m derating	Surge power	201.6kVA 5s
Standby consumption	<60W x6	motor load capacity	48HP
WiFi	Yes	THDV(@linear load)	<3%
Dry Contact	Yes	AC output channels	2 (Three-phase)
Installation type	Rack-Mount Stacking	Switching time	10ms typical (For UPS) 20ms typical(For Home Appliances)
Cooling mode	Fan cooling		
Noise	<50dB		
Display	LCD/APP	**Efficiency**	
Gross Weight	TBD	Peak efficiency	>93%
Dimension(LxDxH)	540x866.5x1458mm*3	Max.MPPT efficiency	99.00%
Warranty Period	5 Years		
Grid (AC Input)			
Max input power	28000w x6		
Max input current	140Ax2 (Three-phase)		
Grid Voltage / Frequency	220/230/240Vac or 380/400Vac,50/60Hz		
Acceptable range	170-280Vac(For UPS); 90-280Vac(For Home Appliances)		

50kW/96kWh Energy Storage System





Application Scenarios



Remote Guesthouses



Restaurants

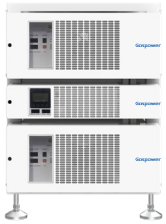


Luxury Villas / Private Estates

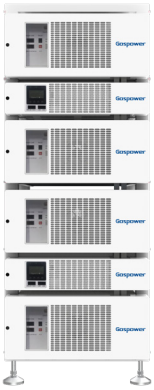
Model		Typical Solutions 50.4kW/96.45kWh	
PV (DC Input)		**Battery Parameters (Bidirectional)**	
Max.PV input power	36480w x3	Battery type	LiFePO4
Max. PV Voltage (Voc)	500V	Battery voltage range	40~60Vdc
Rated PV Voltage(Voc)	380V	Max.charge/discharge current	900A/1050A
MPPT Voltage Range	85V-450V(@80V start up)	Nominal battery energy	96.45kWh
No. of MPPTs	3x3	Battery capacity	314Ah 8000cycles (25±2°C,0.5C/0.5C, EOL70%)
Max. Strings per MPPT	2		
Max. Current per MPPT	32A/32A/32A	fire extinguishing system	condensed aerosol fire extinguishing device QRR0.03G/S-AX
Max. Isc per MPPT	40A/40A/40A		
General Parameters		**Back-up (AC Output)**	
IP rating	IP52 (with dust filter)	Rated output power	50.4KW/50.4KVA
Operating temperature	-10°C~ 55°C	Rated output current	76.5A Max
Distribution Cabinet	YES	Rated output voltage/Frequency	220/230/240Vac or 380/400Vac,50/60Hz
Relative humidity range	5%~95%		
Max.operating altitude	>2000m derating	Surge power	100.8kVA 5s
Standby consumption	<60W x3	motor load capacity	24HP
WiFi	Yes	THDV(@linear load)	<3%
Dry Contact	Yes	AC output channels	2 (Three-phase)
Installation type	Rack-Mount Stacking	Switching time	10ms typical (For UPS) 20ms typical(For Home Appliances)
Cooling mode	Fan cooling		
Noise	<50dB		
Display	LCD/APP	**Efficiency**	
Gross Weight	TBD	Peak efficiency	>93%
Dimension(LxDxH)	540x866.5x1458mm+ 540x866.5x813mm	Max.MPPT efficiency	99.00%
Warranty Period	5 Years		
Grid (AC Input)			
Max input power	28000w x3		
Max input current	140A (Three-phase)		
Grid Voltage / Frequency	220/230/240Vac or 380/400Vac,50/60Hz		
Acceptable range	170-280Vac(For UPS); 90-280Vac(For Home Appliances)		

Base Unit

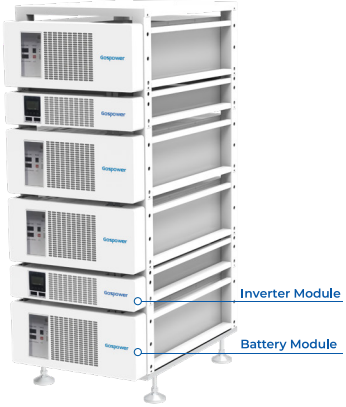
1+2 Unit
16.8kW/32kWh



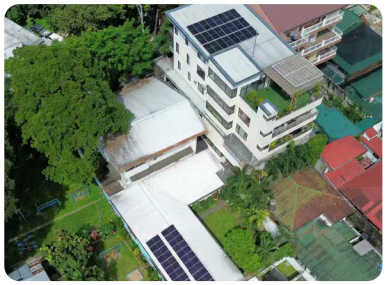
1+4 Unit
16.8kW/64kWh



1+4 Unit
16.8kW/64kWh



Application Scenarios



Residential Homes



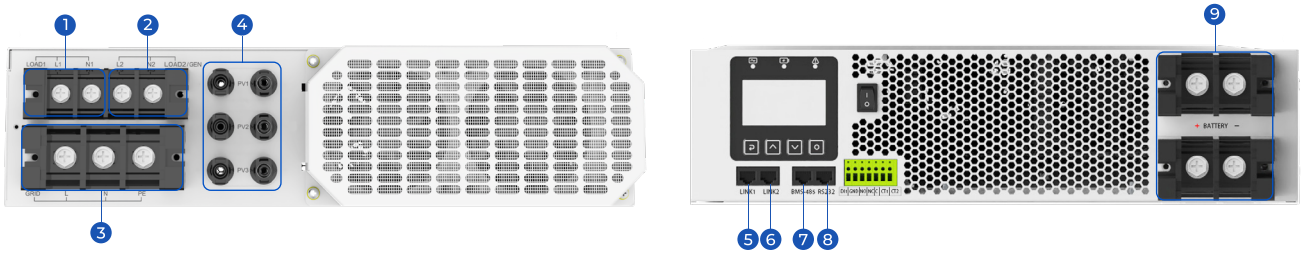
Bank Branches



Chain Pharmacies

Model	Standard Units 16.8kW/32kWh	Standard Units 16.8kW/64kWh		Standard Units 16.8kW/32kWh	Standard Units 16.8kW/64kWh
PV (DC Input)			**Battery Parameters (Bidirectional)**		
Max.PV input power	36480w	36480w	Battery type	LiFePO4	
Max. PV Voltage (Voc)	500V		Battery voltage range	40~60Vdc	
Rated PV Voltage(Voc)	380V		Max.charge/discharge current	300A/350A	
MPPT Voltage Range	85V-450V(@80V start up)		Nominal battery energy	32.15kWh	64.3kWh
No. of MPPTs	3		Battery capacity	314Ah 8000cycles (25±2°C,0.5C/0.5C, EOL70%)	
Max. Strings per MPPT	2				
Max. Current per MPPT	32A/32A/32A		fire extinguishing system	condensed aerosol fire extinguishing device QRR0.03G/S-AX	
Max. Isc per MPPT	40A/40A/40A				
General Parameters			**Back-up (AC Output)**		
Operating temperature	-10°C~ 55°C		Rated output power	16.8kW/16.8kVA	
			Rated output current	76.5A Max	
Distribution Cabinet	NA		Rated output voltage/Frequency	220/230/240Vac 50/60Hz	
Relative humidity range	5%~95%				
Max.operating altitude	>2000m derating		Surge power	33kVA 5s	
Standby consumption	<60W		motor load capacity	8HP	
WiFi	Yes		THDV(@linear load)	<3%	
Dry Contact	Yes		AC output channels	2	
Installation type	Rack-Mount Stacking		Switching time	10ms typical (For UPS) 20ms typical(For Home Appliances)	
Cooling mode	Fan cooling				
Noise	<50dB				
Display	LCD/APP		**Efficiency**		
Gross Weight	284kg	531kg	Peak efficiency	>93%	
Dimension(LxDxH)	540x866.5x813mm	540x866.5x1324.5mm	Max.MPPT efficiency	99.00%	
Warranty Period	5 Years				
Grid (AC Input)					
Max input power	28000w				
Max input current	140A				
Grid Voltage / Frequency	220/230/240Vac,50/60Hz				
Acceptable range	170-280Vac(For UPS); 90-280Vac(For Home Appliances)				

Inverter Module



1 AC LOAD1

2 AC LOAD2

3 AC GRID

4 PV Input (3 MPPT)

5 Parallel CAN 1 (Inverter Parallel)

6 Parallel CAN 2 (Inverter Parallel)

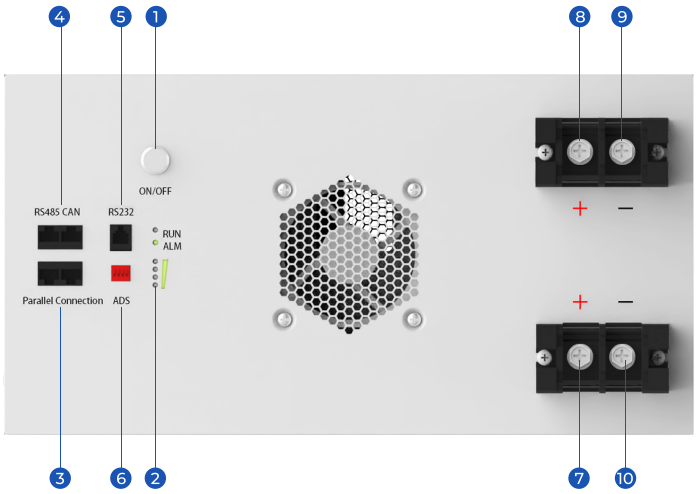
7 RS485 (Battery Comms)

8 RS232

9 Battery Port

Model	
PV (DC Input)	
Recommended max.PV input power	36480W
Rated.input voltage(Voc)	380V
MPPT operating voltage range	85V-450V(@80V start up)
Number of MPPT	3
Max.number of input strings per MPPT	2
Max.input current per MPPT	32A/32A/32A
Grid (AC Input)	
Max input power	28000W
Max input current	140A
Rated grid voltage	220/230/240Vac
Battery Parameters (Bidirectional)	
Battery voltage range	40-60Vdc
Max.charge/discharge current	300A/350A
Back-up (AC Output)	
Rated output power	16800W/16800VA
Rated output current	76.5A Max
Rated output voltage/Frequency	220/230/240Vac 50/60Hz
Parallel Capacity	Single-phase Max. 6 units; Three-phase Max. 12 units
Surge power	33000VA 5s
AC output channels	2
Switching time	10ms typical (For UPS)20ms typical(For Home Appliances)
Efficiency	
Peak efficiency	>93%
Max.MPPT efficiency	99.00%
General Parameters	
IP rating	IP54 (with dust filter)
Max.operating altitude	>2000m derating
Standby Power（inverter ON）	<60W
Cooling mode	Fan cooling
Noise	<50dB
Display	LCD/APP
Dimension(LxDxH)	866.5x540x137.5mm
Gross Weight	37kg
Warranty Period	5 Years

Battery Module



1 Power Button

2 SOC Indicator

3 Parallel CAN (Battery Parallel)

4 RS485 / CAN (Inverter Comms)

5 RS232 Port / Wi-Fi Interface

6 DIP Switch

7 8 Battery +

9 10 Battery -

Model	
Battery Parameters (Bidirectional)	
Battery type	LiFePO4
Battery voltage range	40~60Vdc
Rated battery voltage	51.2Vdc
Max.charge/discharge current	160A/200A
Nominal battery energy	16.076KWH
BMS communication mode	CAN、RS485
General Parameters	
IP rating	IP52 (with dust filter)
Relative humidity range	5%~95%
Max.operating altitude	>2000m derating
Standby power(inverter ON)	<1W
WiFi	YES
Cooling mode	Fan cooling
Noise	<45dB
Display	LED/APP
Dimension(L*D*H)	819.5x540x232.5mm
Gross weight	123.5kg
Warranty period	5 Years