



## ENERGY STORAGE FOR RESIDENTIAL



### Residential Energy Storage Systems. Empowering Homes with Renewable Energy.

Our residential energy storage solutions revolutionize access to renewable energy. By integrating with solar or wind power setups, homeowners gain autonomy over energy usage and reduce dependency on conventional grid power. Capturing surplus renewable energy during peak production, our systems ensure a consistent electricity supply even when renewable sources are inactive.

This stored energy can also be sold back to the grid, offering additional income. With intelligent recharging during off-peak hours, homeowners save on energy costs while supporting grid efficiency. Embracing our solutions enables energy independence, decreases grid reliance, and fosters a sustainable energy future.

#### FEATURES

- One Package with Inverter and Battery
- Advanced Energy Management
- On-Grid and Off-Grid Applications
- Compatible with Third-Party Systems
- Long Lifetime
- Reliable and Safe Technology
- Elegant Design
- Online Monitoring
- Easy Installation and Operation
- Expandable Capacity
- Connectivity

## Residential 1-Phase Energy Storage Systems



Inverter Properties	PRESS-505	PRESS-510	PRESS-515	PRESS-520
Max. Efficiency	97.3% (PV-AC), 94.0% (BAT-AC)			
[PV] Max. Power	9000W			
[PV] Max. Voltage	550V			
[PV] MPPT Voltage Range	200V-480V			
[PV] Max. Input Current	15A			
[PV] # of MPPT Trackers	2			
[BATT] Voltage Range	40V-60V			
[BATT] Max. Charge/Discharge Power	5000W			
[BATT] Max. Charge/Discharge Current	120A			
[AC] Nominal Output Power	5000W			
[AC] Nominal Voltage	220V/230V (Single Phase)			
[AC] Voltage Range	150V-300V (Adjustable)			
[AC] Max. Output Current	25A			
[AC] Frequency Range	45Hz-65Hz			
THDI	<3%			
Interface / Communication	Screen, CAN			
Warranty	10 Years			
Battery Properties				
Battery Type	LiFePO4			
Nominal Voltage	51.2V			
Operating Voltage Range	44V - 56.8V			
Nominal Capacity	100Ah	200Ah	300Ah	400Ah
Nominal Energy Capacity	5.12kWh	10.24kWh	15.36kWh	20.48kWh
Standard Charge/Discharge Current	50A / 50A	100A / 100A	150A / 150A	200A / 200A
Max. Continuous Output Current	100A	200A	300A	400A
Cycle Life (*)	≥6000 Cycles			
Charging Temperature	0-50°C			
Discharging Temperature (**)	-10-50°C			
Storage Temperature	-20-55°C			
Physical Properties				
Protection Level	IP20			
Dimension (WxDxH) (with antenna)	648x284x1282 mm	648x284x1732 mm	648x284x2182 mm	1296x284x1732 mm
Weight	90± 5 kg	140± 5kg	190± 5 kg	240± 5 kg

(\*) Test Conditions: 25°C, 90% DOD, 0.5C Charge/Discharge  
 (\*\*\*) Performance may vary in different conditions

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## Residential 3-Phase G Series Energy Storage Systems

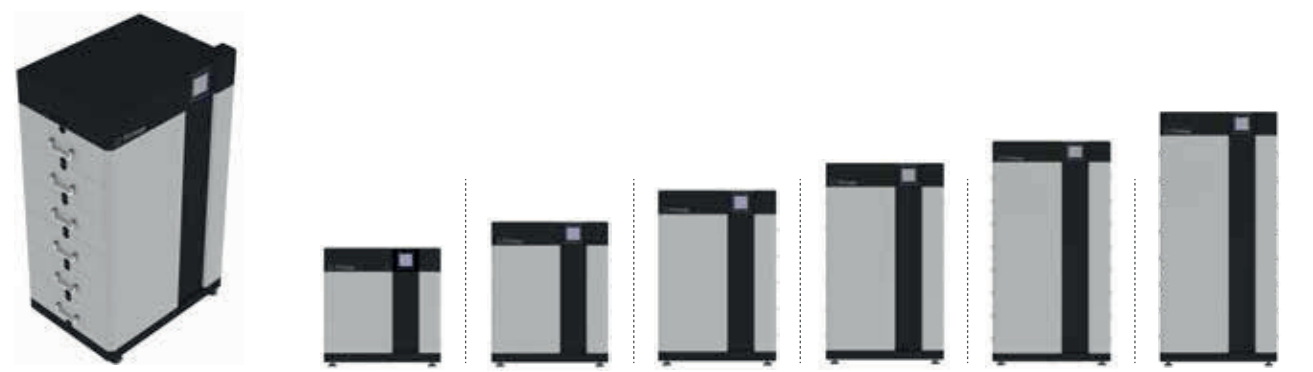


Inverter Properties	PRESS-G1015	PRESS-G1020	PRESS-G1025	PRESS-G1030	PRESS-G1035	PRESS-G1040
Max. Efficiency	97.9% (PV-AC), 98.0% (BAT-AC)					
[PV] Max. Power	15000W					
[PV] Max. Voltage	1000V					
[PV] MPPT Voltage Range	160V-950V					
[PV] Max. Input Current	20A/30A					
[PV] # of MPPT Trackers	3 (two strings per MPPT)					
[BATT] Voltage Range	120V-600V					
[BATT] Max. Charge/Discharge Power	15000W / 11300W					
[BATT] Max. Charge/Discharge Current	50A / 50A					
[AC] Nominal Output Power	10000W					
[AC] Nominal Voltage	380V/400V/415, 3L+N+PE					
[AC] Voltage Range	260V-520V (Adjustable)					
[AC] Max. Output Current	3* 25A					
[AC] Frequency Range	45Hz-55Hz / 55Hz-65Hz (Adjustable)					
[AC] THDI	<5% (Rated Power)					
Interface / Communication	Screen, CAN					
Warranty	10 Years					
Battery Properties						
Battery Type	LiFePO4					
Nominal Voltage	153.6V	204.8V	256V	307.2V	358.4V	409.6V
Operating Voltage Range	132V - 170V	176V - 227V	220V - 284V	264V - 340V	308V-397V	352V-454V
Nominal Capacity	100Ah					
Nominal Energy Capacity	15.36kWh	20.48kWh	25.60kWh	30.72kWh	35.84kWh	40.96kWh
Standard Charge/Discharge Current	50A					
Max. Continuous Output Current	50A					
Cycle Life (*)	≥6000 Cycles					
Charging Temperature	0-50°C					
Discharging Temperature (**)	-10-50°C					
Storage Temperature	-20-55°C					
Physical Properties						
Protection Level	IP65					
Dimension (WxDxH) (with antenna)	683x455x1330 mm	683x455x1480 mm	683x455x1955 mm	683x455x1780 mm	683x455x1930 mm	683x455x2080 mm
Weight	220 ± 5 kg	270 ± 5,5 kg	320 ± 6 kg	370 ± 6,5 kg	420 ± 7 kg	470 ± 7,5 kg

(\*) Test Conditions: 25°C, 90% DOD, 0.5C Charge/Discharge  
 (\*\*\*) Performance may vary in different conditions

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## Stackable G Series High Voltage LFP Batteries



Basic Properties	PBG-153100	PBG-204100	PBG-256100	PBG-307100	PBG-358100	PBG-409100
Battery Type	LiFePO4					
Nominal Voltage	153.6V	204.8V	256V	307.2V	358.4V	409.6V
Operating Voltage Range	134V-170V	179V - 227V	224V - 284V	268V - 340V	313V-397V	358V-454V
Nominal Capacity (*)	100Ah					
Nominal Energy Capacity	15.3kWh	20.4kWh	25.6kWh	30.7kWh	35.8kWh	40.9kWh
Max. Charge Voltage	172V	230V	288V	345V	403V	460V
Max. Cont. Charge/Discharge Rate	0.5 C - 0.5 C					
Cycle Life (*)	≥6000 Cycles					
Normal Operating Temperature	25°C					
Charging Temperature	0-50°C					
Discharging Temperature (**)	-10-55°C					
Storage Temperature	-20-55°C					
Self Discharge	Per month ≤ 3%					
Warranty	10 Years					
Functional Properties						
Communication	CAN, RS485					
Scalability	Serial Pack Addition					
Cooling	Natural					
BMS Protections	UV, OV, OC, UT, OT, SC					
LED Indicators	Alarm, Run, SOC					
Circuit Breaker	Yes (in the Master BMS unit)					
Compatible Inverter***	Deye, Victron, Senergy, Growatt, Solplanet, Hopewind					
Physical Properties						
Protection Level	IP65					
Humidity	0-85%RH (non-condensing)					
Altitude	<3000 m					
Dimension (WxDxH) (without connector and handle)	683x455x655 mm	683x455x805 mm	683x455x955 mm	683x455x1105 mm	683x455x1255 mm	683x455x1405 mm
Weight	170 ± 5 kg	230 ± 5,5 kg	280 ± 6 kg	330 ± 6,5 kg	380 ± 7 kg	430 ± 7,5 kg

(\*) Test Conditions: 25°C, 90% DOD, 0.5C Charge/Discharge  
 (\*\*\*) Performance may vary in different conditions  
 (\*\*\*) Contact us for other inverter brands

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## Residential 3-Phase A and D Series Energy Storage Systems

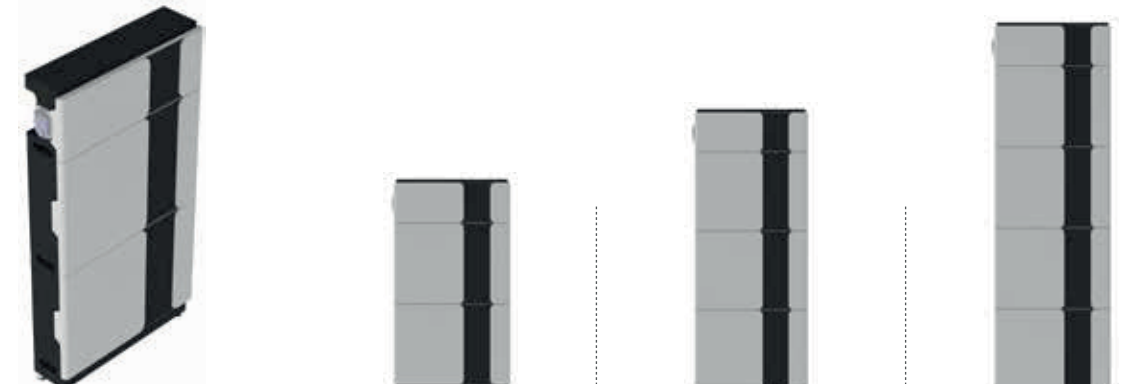


Inverter Properties	PRESS-A1012	PRESS-D1210
Max. Efficiency	97.9% (PV-AC), 98.0% (BAT-AC)	
[PV] Max. Power	15000W	
[PV] Max. Voltage	1000V	
[PV] MPPT Voltage Range	160V-950V	
[PV] Max. Input Current	20A/30A	
[PV] # of MPPT Trackers	3 (two strings per MPPT)	2 (2+1 strings, MPPT)
[BATT] Voltage Range	120V-600V	40V-60V
[BATT] Max. Charge/Discharge Power	15000W / 11300W	12000W / 12000W
[BATT] Max. Charge/Discharge Current	50A / 50A	240A / 240A
[AC] Nominal Output Power	10000W	
[AC] Nominal Voltage	380V/400V/415, 3L+N+PE	380V/400V, 3W+N+PE
[AC] Voltage Range	260V-520V (Adjustable)	-
[AC] Max. Output Current	3 * 25A	261A
[AC] Frequency Range	45Hz-55Hz / 55Hz-65Hz (Adjustable)	50/60Hz
[AC] THDI	<5% (Rated Power)	
Interface / Communication	Screen, WIFI, LAN	Screen, CAN
Warranty	10 Years	
Battery Properties		
Battery Type	LiFePO4	LiFePO4
Nominal Voltage	128V	51.2V
Operating Voltage Range	112V-140V	44V - 56.8V
Nominal Capacity	100Ah	200Ah
Nominal Energy Capacity	12.8kWh	10.24kWh
Standard Charge/Discharge Current	50A	100A
Max. Continuous Output Current	50A	200A
Cycle Life (*)	≥6000 Cycles	
Charging Temperature	0-50°C	
Discharging Temperature (**)	-10-55°C	
Storage Temperature	-20-55°C	
Physical Properties		
Protection Level	IP65 (Battery / Internal Inverter)	
Dimension (WxDxH) (with antenna)	648x275x1925 mm	
Weight	185 ± 2 kg	
Cooling	Natural Convection	

(\*) Test Conditions: 25°C, 90% DOD, 0.5C Charge/Discharge  
 (\*\*\*) Performance may vary in different conditions

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## Stackable A Series High Voltage LFP Batteries



Basic Properties	PBA-128100	PBA-192100	PBA-256100
Battery Type	LiFePO4		
Nominal Voltage	128V	192V	256V
Operating Voltage Range	112V-140V	168V - 211V	224V - 282V
Nominal Capacity (*)	100Ah		
Nominal Energy Capacity	12.8kWh	19.2kWh	25.6kWh
Max. Charge Voltage	144V	216V	288V
Standard Charge/Discharge Current	50A / 50A		
Max. Cont. Charge/Discharge Current	50A / 50A		
Cycle Life (*)	≥6000 Cycles		
Normal Operating Temperature	25°C		
Charging Temperature	0-50°C		
Discharging Temperature (**)	-10-55°C		
Storage Temperature	-20-55°C		
Self Discharge	Per month ≤ 3%		
Warranty	10 Years		
Functional Properties			
Communication	CAN, RS485		
Scalability	Serial Pack Addition		
Cooling	Natural		
BMS Protections	UV, OV, OC, UT, OT, SC		
LED Indicators	Alarm, Run, SOC		
Circuit Breaker	Yes (in the Master BMS unit)		
Compatible Inverter***	Deye, Victron, Senergy, Growatt, Solplanet, Hopewind		
Physical Properties			
Protection Level	IP65		
Humidity	0-85%RH (non-condensing)		
Altitude	<3000 m		
Dimension (WxDxH)	648x200x1215 mm	648x200x1665 mm	648x200x2115 mm
Weight	140 ± 5 kg	200 ± 5,5 kg	260 ± 6 kg

(\*) Test Conditions: 25°C, 90% DOD, 0.5C Charge/Discharge  
 (\*\*\*) Performance may vary in different conditions  
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