

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				
Parallel Connection	No				
Battery Properties					
Battery Type	LiFePO ₄ - Prismatic				
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 (**)	-10~55°C				
Storage Temperature	-20~55°C				
Mechanical 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, 70% SOH

(**) Performance may vary in different conditions