

RESIDENTAL SINGLE-PHASE ENERGY STORAGE SYSTEMS



PRESS-510

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	100V-500V			
[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 (Single Phase)			
[AC] Voltage Range	150V-300V (Adjustable)			
[AC] Max. Output Current	25A			
[AC] Frequency Range	45Hz-65Hz			
[AC] THDI	<3%			
Interface / Communication	Screen, CAN			
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	120A / 120A	120A / 120A
Max. Continuous Output Current	100A	120A	120A	120A
Cycle Life (*)	>5000 cycles			
Design Life	>10 years			
Charging Temperature	0~50°C			
Discharging Temperature	-10~55°C			
Storage Temperature	-20~55°C			
Mechanical Properties				
Protection Level	IP20			
Dimension (WxDxH) (with antenna)	648x239x1282 mm	648x239x1732 mm	648x239x2182 mm	1296x239x1732 mm
Weight	93±3 kg	143±4 kg	193±5 kg	246±6 kg

(*) Test Conditions : 25°C, 0.5C Charge/Discharge

(**) Test Conditions : 25°C, 80% DOD, 80% SOH, 0.5C Charge/Discharge