

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)	97% (PV-AC)
[PV] Max. Power		15000W	15600W
[PV] Max. Voltage		1000V	800V
[PV] MPPT Voltage Range		160V-950V	200V-650V
[PV] Max. Input Current		20A/30A	26A/13A
[PV] of MPPT Trackers		2 (1+2 Strings)	2 (2+1 Strings)
[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	12000W
[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 * 16.7A	3 * 26.1A
[AC] Frequency Range		45Hz-55Hz / 55Hz-65Hz (Adjustable)	50/60Hz
[AC] THDI		<5% (Nominal Power)	<3% (Nominal Power)
Interface/Communication		Screen, WIFI,LAN	Screen, CAN
Warranty		10 Year	
Parallel/Serrial Connection		No	
Battery Properties			
Battery Type		LiFePO ₄ - Prismatic	
Nominal Voltage		128V	51.2V
Operating Voltage Range		112V-140V	44V - 56.8V
Nominal Capacity		100Ah	
Nominal Energy Capacity		12.8kWh	10.24kWh
Standard Charge/Discharge Current		50A	100A
Max. Continuous Output Current		50A	200A
Cycle Life (*)		≥4000 cycles	
Charging Temperature		0~50°C	
Discharging Temperature (**)		-15~50°C	
Storage Temperature		-10~60°C	
Parallel Connection		No	
Serial Connection		Yes (up to two battery pack)	
Mechanical Properties			
Protection Level		IP65 (Battery / Internat Inverter)	IP65 Inv + IP20 Battery
Cooling		Natural	Smart (Forced Convection)
Dimension (WxDxH) (with antenna)		648×275×1925 mm	648×200×990 mm (Only Battery)
Weight		182 ± 2 kg	135 ± 5 kg

(*) Test Conditions: 25°C

(**) Performance may vary in different conditions