

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

RESIDENTIAL THREE-PHASE ENERGY STORAGE SYSTEMS



PRESS-1025

Inverter Properties	PRESS-1210	PRESS-1215	PRESS-1020	PRESS-1025	PRESS-1030	PRESS-1035	PRESS-1040
Max. Efficiency	97% (PV-AC)		97.9% (PV-AC), 98.0% (BAT-AC)				
[PV] Max. Power	13000W		15000W				
[PV] Max. Voltage	800V		1000V				
[PV] MPPT Voltage Range	200V-650V		160V-950V				
[PV] Max. Input Current	26A/13A		20A/30A				
[PV] # of MPPT Trackers	2 (2+1 strings , MPPT)		3 (two strings per MPPT)				
[BATT] Voltage Range	40V-60V		150V-600V				
[BATT] Max. Charge/Discharge Power	10000W / 10000W		15000W / 11300W				
[BATT] Max. Charge/Discharge Current	210A / 210A		50A / 50A				
[AC] Nominal Output Power	10000W		10000W				
[AC] Nominal Voltage	380V/400V, 3W+N+PE		380V/400V/415, 3L+N+PE				
[AC] Nominal Voltage	*		260V-520V (Adjustable)				
[AC] Max. Output Current	45A		3 * 25A				
[AC] Frequency Range	50/60Hz		45Hz-55Hz / 55Hz-65Hz (Adjustable)				
[AC] THDI	<3% (Rated Power)		<5% (Rated Power)				
Interface / Communication	Screen, CAN		Screen, CAN				
Battery Properties							
Battery Type	LiFePO4						
Nominal Voltage	51.2V		204,8V	256V	307,2	358,4	409,6
Operating Voltage Range	44V - 56.8V		176V - 227V	220V - 284V	264V - 340V	308V-397V	352V-454V
Nominal Capacity	100Ah		100Ah				
Nominal Energy Capacity	10.24kWh	15.36kWh	20.48kWh	25.60kWh	30.72kWh	35.84kWh	40.96kWh
Standard Charge/Discharge Current	100A	150A	50A				
Max. Continuous Output Current	200A	210A	100A				
Cycle Life (*)	>5000 cycles		>5000 cycles				
Design Life	>10 years		>10 years				
Charging Temperature	0~50°C		0~50°C				
Discharging Temperature	-10~50°C		-10~55°C				
Storage Temperature	-20~55°C		-20~55°C				
Mechanical Properties							
Protection Level	IP65 Inv + IP20 Battery			IP20			
Dimension (WxDxH) (with antenna)	648x239x1005 mm (only battery)	648x239x1455 mm (only battery)	648x445x1585 mm	648x445x1750 mm	648x445x1915 mm	648x445x2080 mm	648x445x2245 mm
Weight	142 ± 3 kg	192 ± 5 kg	241 ± 6 kg	286 ± 7 kg	331 ± 8 kg	376 ± 9 kg	421 ± 10 kg

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

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