

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