

Our Plug-N-Play BatteryStorage™ Residential BESS featuring Schneider Electric Conext™ XW Pro and Rolls Battery™, is a future ready solution that is designed to adapt to next generation grid requirements, delivering proven reliability for Micro Grid Systems.



Unlike other systems on the market, our systems are delivered ready to install (Plug-N-Play) including load panel, gateway, BMS, inversion. We offer 3 different systems with specific characteristics, however any systems can be modified to meet the customer's requirements.

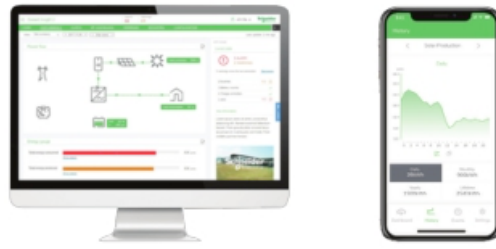


BSS 7 (7KW/11KWh) BSS 14 (14KW/22KWh) BSS 21 (21KW/22KWh)

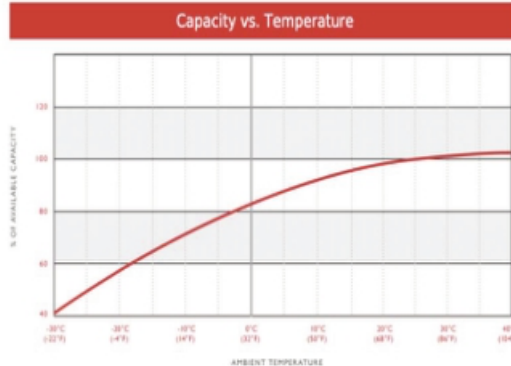
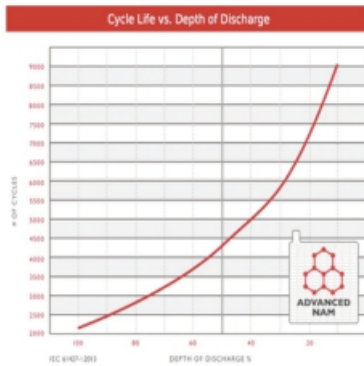
| MODEL | BSS 7 | BSS 14 | BSS 21 |
|--|--|---------------|-----------------|
| Inverter AC output (standalone) | | | |
| Output power (continuous) at 25°C | 6.8 kW | 13.6 kW | 20.4 kW |
| Overload 30 min/60 sec at 25°C | 8.5 kW / 12 kW | 12 kW / 24kW | 25.5 kW / 24 kW |
| Overload 30 min/60 sec at 25°C | 6000 W | 12000 W | 18000 W |
| Maximum output current 60 seconds (rms) | 102 Amps / 52 A | 204 A / 104 A | 306 A / 156 A |
| Output frequency | 50/60 Hz | | |
| Output voltage | L-N: 120 V +/- 3%; L-L: 240 V +/- 3% | | |
| Total harmonic distortion at rated power | < 5 % | | |
| Idle consumption search mode | < 8 W | | |
| Input DC voltage range | 42 to 60 V (48 V nominal) | | |
| Maximum input DC current | 180 A | | |
| Charger DC output | | | |
| Maximum output charge current | 140 A | | |
| Output charge voltage range | 40 – 64 V (48 V nominal) | | |
| Charge control | Three stage, two stage, boost, custom | | |
| Charge temperature compensation | Battery temperature sensor included | | |
| Power factor corrected charging | 0.98 | | |
| Compatible battery types | SAGM, RE NAM, Lithium Ion, Flooded Lead Acid, Rolls Battery Engineering Standard | | |



All systems come with Conext™ Gateway, Insight 2 Interactive Monitoring



We prefer to use non-hazmat Carbon SAGM Tier 1 from Rolls.



| | BSS 7 | BSS 14 | BSS 21 |
|---|---|-------------------------|---------------------|
| Battery bank range | | 440 – 10000 Ah | |
| AC input | | | |
| AC 1 (grid) input current (selectable limit) | 3 – 60 A (60 A default) | 3-120A | 3-180A |
| AC 2 (generator) input current (selectable limit) | | 3 – 60 A (60 A default) | |
| Automatic transfer relay rating/typical transfer time | | 60 A/8 ms | |
| AC input voltage limits (bypass/charge mode) | L-N: 78 - 140 V (120 V nominal); L-L: 160 - 270 V (240 V nominal) | | |
| AC input frequency range (bypass/charge mode) | 55 – 65 Hz (default) 52 – 68 Hz (allowable) | | |
| AC grid-tie output per Inverter | | | |
| Grid sell current range on AC1(selectable limit) | | | |
| Grid sell current range on AC1(auto adjusts entering sell mode) | L-N: 105.5 to 132 +/- 1.5 V; L-L: 211 to 264 +/- 3.0 V | | |
| Grid sell frequency range on AC1(auto adjusts entering sell mode) | 59.4 to 60.4 +/- 0.05 Hz | | |
| Efficiency | | | |
| Peak | | 95.0% | |
| CEC weighted efficiency | | 93.0% | |
| General specifications | | | |
| Part number | Battery Storage 7/11, 14/22, or 21/22 1-3, | | 865-6848-21 |
| Product/shipping weight | 750 lbs | 1270 lbs | 1450 lbs |
| Chassis Construction | 6061 1.5 Aluminum Tubing, Structural Tig Welded, | | |
| Shipping dimensions (H x W x D) | 34" W, 64" H, 16" D | 68"W, 64" H, 16" D | 68" W, 64" H, 16" D |
| IP degree of protection | NEMA Type 1 Indoor | | |
| Operating air temperature range | -25°C to 70°C (-13°F to 158°F) (power derated above 25°C (77°F)) | | |
| Features | | | |
| System monitoring and network communications | | | |
| Intelligent features | Grid sell, peak load shave, generator support, prioritized consumption of battery or external DC energy | | |
| Auxiliary port | 0 to 12 V, maximum 250 mA DC output, selectable triggers | | |
| Of-grid AC coupling | Frequency control, BatteryStorage external contactor | | |
| Regulatory approval | | | |
| Safety | UL1741, CSA 107.1IEC 61056:2002, IEC 60896-21 and IEC 60896-22 | | |
| EMC directive | FCC and Industry Canada Class BCE G4M20206-0910-E-16 and UL USA) MH48952 | | |
| Interconnect | IEEE 1547, UL 1741 SA, Rule 21, Rule 14H, PREPA, and CSA 107.1 | | |