

SMART ENERGY STORAGE SYSTEMS

# HS business

 GENERATION P-AU

PV BATTERY SYSTEM WITH LIFEPO4 TECHNOLOGY



International model pictured

## BOS LITHIUM (LiFePO4) ENERGY STORAGE SYSTEMS – ALL IN ONE SOLUTION

The Smart Energy Storage Systems from BOS-AG enable uninterrupted power supply in off-grid and unreliable grid scenarios. The *HS business* is designed for homes, remote facilities, businesses and much more. It comes with integrated lithium (LiFePO4) batteries in different capacities and can be combined with existing lead-acid systems and diesel generators.

The systems are suitable for large volume installations and can be used in different system configurations to suit the application requirements.

- Prewired and configured – ready for installation
- Select priority loads with an extra AC output
- State of the art LiFePO4 batteries
- Possible retrofitting & extension of already installed lead-acid systems
- Extensive remote monitoring functions
- Robust housing in industrial enclosure
- Included 5-inch touch display
- Optional LTE mobile network interface

# HS business

ALL IN ONE SOLUTION – FIT YOUR NEEDS

MAIN TECHNICAL DATA	HS business 5 – Gen P-AU	HS business 10 – Gen P-AU
Nominal system voltage	48 V	48 V
Integrated lithium battery capacity	4.8 kWh	9.6 kWh
Inverter type	3 kVA	5 kVA
Inverter output	Pure sine wave	
AC power output	2400 W @25 °C 2200 W @40 °C 1700 W @60 °C	4000 W @25 °C 3700 W @40 °C 3000 W @60 °C
AC power output peak	6000 W	10000 W
Max. charge current from grid	35 A	70 A
AC grid bypass current	50 A	100 A
AC output voltage	230 V	230 V
AC output frequency	50 Hz	50 Hz
2. AC output	230   16 A	230   16 A
Max. PV size	5.8 kWp	5.8 kWp
Solar charger quantity and type	1x MPPT 450/100	1x MPPT 450/100
Max. PV open circuit voltage	450 V	450 V
Max. charge current from PV	100 A	100 A
Self-consumption	< 35 W	< 35 W
Max wire size	35 mm <sup>2</sup>	35 mm <sup>2</sup>
Style of housing	Industrial enclosure	Industrial enclosure
Housing dimensions	600 mm x 410 mm x 1230 mm (LxWx H)	600 mm x 410 mm x 1230 mm (LxWx H)
Weight	155 kg	230 kg
Ambient temperature	0 °C to 50 °C, maximum battery life at 15 °C to 25 °C	
Protection	Overload, Overcurrent, Short circuit, Deep discharge, Wrong polarity	
Features	Prewired enclosed AC Switchboard, Preconfigured, Ventilation and temperature management, included 5-inch touch Display, Wifi, Ethernet and Bluetooth interface, optional LTE mobile network interface, Individual system monitoring and aggregated cluster monitoring, Lithium balancing, two individual controlled AC outputs.	

NOTE: Changes to the products and the above specifications are subject to change anytime without notice. Please contact [contact@bos-ag.com](mailto:contact@bos-ag.com) for more information.