

SMART ENERGY STORAGE SYSTEMS

# HS Home

SMART AND BANKABLE LITHIUM STORAGE SYSTEMS

- ✓ **ALL IN ONE SOLUTION**
- ✓ **PLUG & PLAY**
- ✓ **PAY-AS-YOU-GO READY**
- ✓ **REMOTE MONITORING INCLUDED**
- ✓ **SCALE UP CAPACITY OVER TIME**
- ✓ **SECOND AC OUT FOR PRIORITIZING LOADS**
- ✓ **HIGH BATTERY LIFETIME OF 10 YEARS**

BOS SMART ENERGY STORAGE SYSTEMS WITH INTEGRATED LITHIUM (LiFePO<sub>4</sub>) BATTERIES OFFER SUPERB PERFORMANCE AT COMPETITIVE COSTS.

HS Home systems from BOS-AG are integrated energy solutions for powering your home. The systems come with integrated lithium (LiFePO<sub>4</sub>) batteries in different sizes and are prewired with all necessary energy components like inverter, battery balancer and MPPT charge controller. Plug & Play connections make the systems easy to install with no special tool requirements.

The systems offer an uninterrupted power supply by recharging possibility from the AC main grid (or Diesel genset). Due to the integrated MPPT solar charge controller, the systems provide full energy autonomy, no matter how often the grid fails. A second AC out offers the possibility of adjustable load prioritization.

Integrated data logger and GSM module make remote logging and control access possible from anywhere in the world. The systems are designed for high volume installations in PayG set-ups. High-quality energy system become affordable for everyone, with the BOS Home series.



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### MAIN TECHNICAL DATA

### HS Home 1

### HS Home 2.5

Nominal system voltage	12 V	24 V
Integrated lithium battery capacity	1280 Wh	2560 Wh
Optional lithium upgrade	+1280 Wh	n/a
Inverter output	Pure sine wave	Pure sine wave
AC output voltage and frequency in island mode	230 V/50 Hz	230 V/50 Hz
AC power output	700 W @ 25 °C 650 W @ 40 °C 400 W @ 65 °C	1300 W @ 25 °C 1100 W @ 40 °C 800 W @ 65 °C
AC power output peak	1600 W	2800 W
AC input voltage and frequency	187 – 265 V/45-65 Hz	187 – 265 V/45-65 Hz
Max. charge current from grid	16 A	16 A
AC grid bypass current	16 A	16 A
Solar charger type	MPPT 100/30	MPPT 100/50
Max. PV open circuit voltage	100 V	100 V
Max. charge current from PV	30 A	50 A
Self-consumption	< 15 W	< 20 W
Style of housing	Home Design	Home Design
Housing dimensions WxHxL	666x881x355 mm	666x881x355 mm
Weight	45 kg	60 kg
Features	Integrated display; Integrated global SIM card for remote GSM access; Lithium balancing; Priority selection AC/Solar; Individually controlled AC outputs; Second AC output for load priority; Overload-, overcurrent-, short-circuit-, deep-discharge-, wrong-polarity protection; USB charging port; PAYG ready; Plug & Play	

DATASHEET IS SUBJECT TO CHANGE. REVISION MAY 2020.

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.

### SYSTEM PARTNER:

