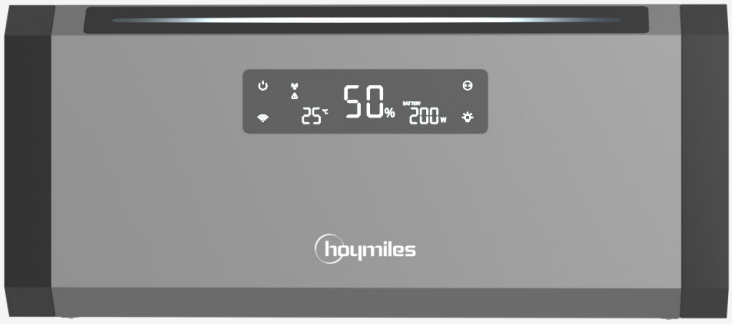

HiBattery 1920 AC Datasheet

HB-1920-AC-SV

Descriptions

The HiBattery AC is the micro storage system designed specifically for balcony solar scenarios.

With its compact size of 0.02 m^3 and plug-and-play setup, it can be positioned and installed anywhere in minutes. What's more, its AC coupling technology enables seamless connection to a microinverter or any home socket, making integration effortless.

Bidirectional charging and discharging technology supports self-consumption mode, AI-integrated TOU mode, etc. It maximizes profits through intelligent energy management.

Features

01

Safety and Reliability

- *Top-tier battery cells with >6000 cycles, ensuring long-term and reliable power output*
- *Built-in self-heating for low temperature environments*
- *High efficiency and low heat generation, natural cooling & fanless design, noise <17 dB(A)*
- *Internal fire extinguisher and pressure relief valves, providing comprehensive battery protection*
- *IP66 waterproof and dustproof*

02

Easy Installation

Flexible placement and plug & play connection: Plug into any socket without modifying your existing solar system

03

Cost Savings

- *Supports multiple charge/discharge modes, such as self-consumption mode and TOU mode*
- *96.5% highest bidirectional efficiency, 87% highest round-trip efficiency, fully utilizing electrical energy*

hoymiles.com
sales@hoymiles.com

Technical Specifications

Model	HB-1920-AC-SV
AC Output (On-Grid Port)	
Nominal output apparent power (VA)	800
Maximum output apparent power (VA)	800 [1]
Grid type	Single-phase
Nominal AC voltage/range (V)	230/180 to 270 [2]
Nominal AC frequency/range (Hz)	50/45 to 55 [2]
Nominal output current (A)	3.48
Maximum output current (A)	3.48 [3]
Adjustable power factor (@nominal load)	>0.99 0.8 leading ... 0.8 lagging
AC Input and Output (Off-Grid Port)	
Maximum output apparent power (VA)	800
Peak output apparent power (VA)	1200, 10 s
Grid type	Single-phase
Connector type	Schuko socket
Nominal AC voltage (V)	230
Nominal AC frequency (Hz)	50
Maximum output current (A)	3.48
Total harmonic distortion (@linear load)	<3%
Maximum input power (VA)	1800
Maximum input current (A)	7.83
Battery	
Capacity (kWh)	1.92
Cell type	LiFePO4
Life cycles	≥6000
Charging temperature (°C)	-20 to 55
Discharging temperature (°C)	-20 to 55
Nominal apparent power (VA)	1000 (charge and discharge)
Maximum apparent power (VA)	1000 (charge and discharge)
General	
Weight (kg)	24
Dimensions (L× W × H [mm])	460 × 240 × 203
Protection degree	IP66
Mounting	Wall-mounted or floor-mounted (sold separately)
Cooling	Natural convection – No fans
Wireless type	Bluetooth, 2.4 GHz Wi-Fi
Interface	LED & App
Warranty	10 years
Standards	
Grid compliance	VDE-AR-N 4105: 2018
Safety	IEC 62477-1, IEC 62619, IEC 63056, UN 38.3
EMC	EN 61000-6-1/-2/-3/-4, EN 61000-3-2/-3

[1] It can be customized by using the S-Miles Home App and can be adjusted up to 2000 VA.
[2] The nominal voltage/frequency range may vary based on local requirements.
[3] It is the ratio of maximum output apparent power to nominal AC voltage.