

storage⁺

HBS^{HV}

3-6K

SINGLE PHASE AC COUPLE



Aluminum Alloy Die Casting



MES + FCT + CRM
Infrastructure



Easy to Install and Service



Energy Management

HYPONTECH






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EN 20250410



MODEL

HBS-3000

HBS-3680

HBS-5000

HBS-6000

BATTERY INPUT DATA

Battery Type	Li-ion	Li-ion	Li-ion	Li-ion
Input Voltage Range / V	80-480	80-480	80-480	80-480
Max. Charging/Discharging Current / A	25/25	25/25	25/25	25/25
Charging Strategy for Li-ion Battery	Self-adaption to BMS	Self-adaption to BMS	Self-adaption to BMS	Self-adaption to BMS

AC OUTPUT/INPUT

Rated Output Power / W	3000	3680	5000	6000
Max. Apparent AC Power to grid / VA	3300	3680	5500	6600
Max. Input Power / W	6000	7000	8000	9000
Max. Apparent AC Power from grid / VA	6600	7360	8500	10000
Rated Grid Voltage / V	220/230/240	220/230/240	220/230/240	220/230/240
Grid Connection	L-N-PE	L-N-PE	L-N-PE	L-N-PE
Rated Grid Frequency / Hz	50/60	50/60	50/60	50/60
Max. Output Current / A	15	16	23	27.3
Max. Input Current / A	30	32	36	40
Power Factor	0.8ind - 0.8cap	0.8ind - 0.8cap	0.8ind - 0.8cap	0.8ind - 0.8cap
THDi @ Rated Power	<3%	<3%	<3%	<3%

AC OUTPUT (BACK-UP)

Rated Output Power / W	3300	3680	5000	6000
Peak Apparent Output Power / VA	3960/60S	4416/60S	6000/60S	7200/60S
Rated Output Voltage / V	230	230	230	230
Rated Output Frequency / Hz	50/60	50/60	50/60	50/60
Max. Output Current / A	15.0	16.0	23.0	27.3
Auto Switch Time / ms	<10	<10	<10	<10
THDV@Linear Load	<2%	<2%	<2%	<2%

GENERAL DATA

Dimensions (W*H*D) / mm	425*351*160
Weight / kg	13.2
User Interface	LED&LCD
Battery Connection Type	SUNCLIX
AC Connection Type	Plug-in Connector
Communication with Cloud	RS485/Wi-Fi/4G/LAN (optional)
Communication with BMS	CAN
Communication with Meter	RS485
Cooling Method	Natural Cooling
Operating Ambient Temperature / °C	-25 ~ +60
Relative Humidity / %	0-100
CT Connection Type	Plug-in Connector
Max. Operating Altitude / m	3000
Protection Class (IEC 60529)	IP65
Climatic Category (IEC 60721-3-4)	4K4H
Topology	Transformerless
Night Consumption / W	<5

EFFICIENCY

Charging/Discharging Efficiency@ Battery <-> Grid/Load	97.0%
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PROTECTION FUNCTION

Anti-Islanding	Integrated
PV String Insulation Resistance Detection	Integrated
Residual Current Monitoring Unit	Integrated
Output Over Current Protection	Integrated
Output Short Circuit Protection	Integrated
Over Voltage Protection	Integrated
Surge Protection	AC: Type II
Battery Reverse Protection	Integrated