

Storage³

THREE PHASE AC COUPLE
5-12K

HYPONTECH

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HBT



Aluminum Alloy
Die Casting



MES + FCT + CRM
Infrastructure



Easy to
Install and Service



Energy
Management

BATTERY INPUT DATA

Battery Type	Li-ion	Max. Charging/Discharging Current / A	25/25
Battery Voltage Range / V	160-800	Charging Strategy for Li-Ion Battery	Self-adaption to BMS

AC OUTPUT / INPUT

Rated Power to grid / W	5000	6000	8000	10000	12000
Max. Apparent AC Power / VA	5500	6600	8800	11000	13200
Rated Active Power from grid / W	10000	12000	15000		18000
Max. Apparent AC Power from grid / VA	11000	13200	16500		20000
Rated Grid Voltage / Vac	380/400				
Grid Connection	3 / 3L-N-PE				
Rated Power Frequency / Hz	50/60				
Max. Output Current to grid / A	8.5	10.0	13.5	16.0	20.0
Max. AC Current from grid / A	17	20	23		29
Power Factor	0.8ind to 0.8cap				
THDi @ Rated Power	<3%				

OUTPUT (AC TO LOADS)

Max. Apparent Output Power / VA	5000	6000	8000	10000	12000
Peak Apparent Output Power @60° / VA	10000	12000	15000		
Rated Power Frequency / Hz	50/60				
Max. Output Current / A	8.5	10.0	13.5	16.0	20.0
Automatic Switch Time / ms	<10				
Nominal Output Voltage / V	380/400				
Nominal Output Frequency / Hz	50/60				
THDv @ Linear Load	<3%				

EFFICIENCY

Battery Charge/Discharge From/To AC Max. Efficiency	97.6%
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PROTECTION FUNCTION

Anti-Islanding	Integrated
Battery Reverse Protection	Integrated
Residual Current Monitoring	Integrated
Output Over Current Protection	Integrated
Over Voltage Protection	II (AC)
Output Short Circuit Protection	Integrated
Surge Protection	AC: Type II

GENERAL DATA

Dimensions (W*H*D) / mm	425*351*200	AC Connection Type	Plug-in Connector	Relative Humidity	0% to 100%	
Weight / kg	HBT-5000	18	Communication with Cloud	WiFi/4G (optional)	Max. Operating Altitude / m	2000 (>2000 Derating)
	HBT-12000	23	Communication with BMS	CAN, RS485	Protection Class (IEC 60529)	IP65
Noise Emission (Typical) / dB(A)	40	Communication with Power Meter	RS485	Climatic Category (IEC 60721-3-4)	4K4H	
User Interface	LED/LCD	Cooling Method	Natural Cooling	Topology	Transformerless	
Battery Connection Type	SUNCLIX	Operating Ambient Temperature / C°	-25 ~ +60	Night Consumption / W	<13	