

storage³

HIT[®] HV

5-15K

THREE PHASE HYBRID



Peak Efficiency
98.5 %



Max. DC Overload
50 %



Aluminum Alloy Die Casting



MES + FCT + CRM
Infrastructure



Easy to Install and Service



Energy Management

HYPONTECH






HYPON.COM
 © HYPONTECH SOLAR ENERGIZING FUTURE

EN 20250610



MODEL		HHT-5000	HHT-6000	HHT-8000	HHT-10000	HHT-12000	HHT-15000		
AC OUTPUT/INPUT									
Rated Power / W		5000	6000	8000	10000	12000	15000		
Max. Apparent Power / VA		5500	6600	8800	11000	13200	16500		
Rated Active Power from Grid / W		10000	12000	15000	15000	18000	20000		
Max. Apparent Power from Grid / VA		11000	13200	16500	16500	20000	22000		
Rated Grid Voltage / V		380/400	380/400	380/400	380/400	380/400	380/400		
Grid Connection		3L-N-PE	3L-N-PE	3L-N-PE	3L-N-PE	3L-N-PE	3L-N-PE		
Rated Grid Frequency / Hz		50/60	50/60	50/60	50/60	50/60	50/60		
Max. Output Current / A		8.5	10.0	13.5	16.0	20.0	24.0		
Max. Current From Grid / A		17.0	20.0	23.0	23.0	29.0	29.0		
Power Factor		0.8ind - 0.8cap	0.8ind - 0.8cap	0.8ind - 0.8cap	0.8ind - 0.8cap	0.8ind - 0.8cap	0.8ind - 0.8cap		
THDi @ Rated Power		<3%	<3%	<3%	<3%	<3%	<3%		
AC OUTPUT (BACK-UP)									
Rated Output Power / W		5000	6000	8000	10000	12000	12000		
Peak Apparent Output Power / VA		10000	12000	15000	15000	15000	15000		
Rated Output Voltage / V		380/400	380/400	380/400	380/400	380/400	380/400		
Rated Output Frequency / Hz		50/60	50/60	50/60	50/60	50/60	50/60		
Max. Output Current / A		8.5	10.0	13.5	16.0	20.0	20.0		
Auto Switch Time / ms		<10	<10	<10	<10	<10	<10		
THDV@Linear Load		<3%	<3%	<3%	<3%	<3%	<3%		
EFFICIENCY									
Max. Efficiency		98.0%	98.0%	98.2%	98.2%	98.2%	98.5%		
Euro Efficiency		97.3%	97.3%	97.3%	97.4%	97.4%	97.5%		
MPPT Efficiency		99.9%	99.9%	99.9%	99.9%	99.9%	99.9%		
Charging Efficiency© PV-> Battery		98.5%	98.5%	98.5%	98.5%	98.5%	98.5%		
Charging/Discharging Efficiency @ Battery<->Grid/Load		97.6%	97.6%	97.6%	97.6%	97.6%	97.6%		
BATTERY INPUT									
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		
PV INPUT									
Max. PV Power / W	HHT-5000	7500	Max. Input Voltage / V		1000	Max. Short Circuit Current / A	HHT-5000 - 12000	20/20	
	HHT-6000	9000	MPP Voltage Range / V		150~850		HHT-15000	40/20	
	HHT-8000	12000	Start Up Voltage / V		145				
	HHT-10000	15000	Rated Input Voltage / V		620				
	HHT-12000	18000	Max. Input Current / A	HHT-5000 - 12000	15/15	No. of MPPTs/	HHT-5000 - 12000	2/ (1/1)	
	HHT-15000	18000		HHT-15000	30/15	No. Strings Per MPPT	HHT-15000	2/ (2/1)	
PROTECTION FUNCTION									
Anti-Islanding Protection		Integrated	Residual Current Monitoring		Integrated	Over Voltage Protection		Integrated	
PV String Input Reverse Polarity Protection		Integrated	Output Over Current Protection		Integrated	Surge Protection		DC: Type II / AC: Type II	
Insulation Resistance Detection		Integrated	Output Short Circuit Protection		Integrated	Battery Reverse Polarity Protection		Integrated	
GENERAL DATA									
Dimensions (W*H*D) / mm		425*351*200	AC Connection Type		Plug-in Connector	Operating Ambient Temperature / °C		-25 ~ +60	
Weight / kg	HHT-5000 - 12000	21.1	Communication with Cloud		RS485/Wi-Fi/4G/LAN (optional)	Relative Humidity / %		0-100	
	HHT-15000	22.3				CT Connection Type		Plug-in Connector	
Noise Emission (Typical) / dB(A)		40	Communication with BMS		CAN,RS485	Max. Operating Altitude / m		2000 (>2000 Derating)	
User Interface		LED/LCD	Communication with Meter		RS485	Climatic Category (1 EC 60721-3-4)		4K4H	
PV Connection Type		MC4	Cooling Method	HHT-5000 - 12000	Natural Cooling	Protection Class	IP65	Topology	Transformerless
Battery Connection Type		SUNCLIX		HHT-15000	Smart Cooling Concept	Night Consumption / W		<13	