

storage³

H17'

15-30K

THREE PHASE HYBRID



Peak Efficiency
98.2 %



Max. DC Overload
100 %



Aluminum Alloy Die Casting



MES + FCT + CRM
Infrastructure



Easy to Install and Service



Energy Management

HYPONTECH






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EN 20250610



MODEL	HHT-15K	HHT-20K	HHT-25K	HHT-29.9K	HHT-30K
PV INPUT DATA					
Max. PV Power / W	30000	40000	50000	60000	60000
Max. Input Voltage / V			1000		
Min. DC Voltage / Start up Voltage / V			150/180		
Norminal Input Voltage / V			620		
MPP Voltage Range / V			150-900		
Max. Input Current Per MPPT / A			36/36/36		
Max. Short Current Per MPPT / A			50/50/50		
No. of MPP Trackers			3		
No. strings Per MPPT Tracker			2		
BATTERY INPUT DATA					
Battery Type			Li-ion		
Input Voltage Range / V			160-800		
Max. Charging / Discharging Current / A			100 (2*50A)		
AC OUTPUT/ INPUT DATA					
Rated AC Power / W	15000	20000	25000	29900	30000
Max. Apparent AC Power / VA	16500	22000	27500	29900	33000
Rated Active Power From Grid / W	30000	40000	50000	50000	50000
Max. Apparent AC Power From Grid / VA	30000	40000	50000	50000	50000
Rated Grid Voltage (AC Voltage Range) / V			220/380, 230/400		
Rated Grid Frequency / Hz			50/60		
Max. AC Output Current / A	23.9	31.9	39.9	43.3	47.8
Max. AC Current From Grid / A	43.5	58.0	72.5	72.5	72.5
Displacement Power Factor			0.8 leading-0.8 lagging		
Total Harmonic Distortion (THDi, Rated Power)			<3%		
			3W/N/PE,3W/PE		
AC OUTPUT DATA (BACK-UP)					
Nominal AC Output Power / W	15000	20000	25000	30000	30000
Peak Apparent Output Power / VA @10S	30000	40000	50000	60000	60000
Nominal Output Voltage / V			380/400		
Nominal Output Frequency / Hz			50/60		
Max. Output Current / A	23.9	31.9	39.9	43.5	43.5
Peak Output Current / A	43.5	58.0	72.5	87.0	87.0
Switch Time / ms			<10		
THDV (@line load)			<3%		
AC INPUT DATA (GENERATOR)					
Max.Input Power / W	15000	20000	25000	30000	30000
Rated Input Current / A	23.9	31.9	39.9	43.5	43.5
Rated Input Frequency / Hz			50/60		
EFFICIENCY					
MPPT Efficiency			99.90%		
Max. Efficiency	98.00%	98.00%	98.20%	98.20%	98.20%
Euro Efficiency	97.30%	97.30%	97.40%	97.40%	97.40%
Charged efficiency@PV-battery			98.50%		
Charged / Discharged Efficiency@Battery<->Grid / Load			97.60%		
PROTECTION FUNCTION					
Anti-Islanding Protection	Integrated	Insulation Resistance Detection	Integrated	Output Short Protection	Integrated
Battery Reverse Protection	Integrated	Residual Current Monitoring Unit	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
		Remote Shutdown	Integrated	AFCI	Integrated
GENERAL DATA					
Dimensions (W*H*D) / mm	620*465*240	AC Connection Type	OT Terminal	Operating Ambient Temperature / °C	-30 ~ +60
Weight / kg	39.9	Communication with Cloud	Wi-Fi/4G/LAN (optional)	Relative Humidity / %	0-100
Noise Emission (Typical) / dB(A)	/	Communication with BMS	CAN/RS485	Max. Operating Altitude / m	3000 (>3000 Derating)
User Interface	LED/LCD	Communication with CT / Meter	RS485	Degree of Protection	IP66
PV Connection Type	MC4/D4	Cooling Method	Smart Fan Cooling	Climatic Category (IEC 60721-3-4)	4K4H
Battery Connection Type	Plug-in	Max. Output Power Per Phase	50% Rated Power	Topology	Non-isolated
Max. Allowable Phase Imbalance	100% Phase Power			Night Consumption / W	<13