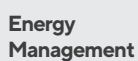
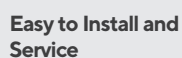
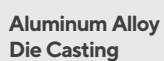
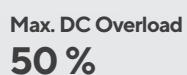
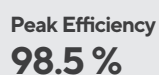


5-15K THREE PHASE HYBRID



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EN 20250410



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	Communication with BMS		CAN,RS485	CT Connection Type		Plug-in Connector		
Noise Emission (Typical) / dB(A)		40	Communication with Meter		RS485	Max. Operating Altitude / m		2000 (>2000 Derating)		
User Interface		LED/LCD	Cooling Method		HHT-5000 - 12000 Natural Cooling	Climatic Category (1 EC 60721-3-4)		4K4H		
PV Connection Type		MC4	Cooling Method		HHT-15000 Smart Cooling Concept	Protection Class		IP65	Topology	Transformerless
Battery Connection Type		SUNCLIX	HHT-15000			Night Consumption / W		<13		