



MODEL	HBT-5000	HBT-6000	HBT-8000	HBT-10000	HBT-12000			
BATTERY INPUT DATA								
Battery Type	Li-ion			Max. Charging/Discharging Current / A	25/25			
Input Voltage Range / V	160-800			Charging Strategy for Li-ion Battery	Self-adaption to BMS			
AC OUTPUT / INPUT DATA								
Rated Output Power / W	5000	6000	8000	10000	12000			
Max. Apparent Output Power / VA	5500	6600	8800	11000	13200			
Rated Active Power from Grid / W	10000	12000	15000	15000	18000			
Max. Input Apparent Power / VA	11000	13200	16500	16500	20000			
Rated Grid Voltage / Vac	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			
Rated Grid Frequency / Hz	50/60	50/60	50/60	50/60	50/60			
Max. Output Current / A	8.5	10.0	13.5	16.0	20.0			
Max. Input Current / A	17	20	23	23	29			
Power Factor	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%			
AC OUTPUT DATA (BACK-UP)								
Rated Output Power / W	5000	6000	8000	10000	12000			
Peak Apparent Output Power / VA	10000	12000	15000	15000	15000			
Rated Output Voltage / V	380/400	380/400	380/400	380/400	380/400			
Rated Output Frequency / Hz	50/60	50/60	50/60	50/60	50/60			
Max. Output Current / A	8.5	10.0	13.5	16.0	16.0			
Auto Switch Time / ms	<10	<10	<10	<10	<10			
THDV @ Linear Load	<3%	<3%	<3%	<3%	<3%			
EFFICIENCY								
MPPT Efficiency	99.9%	99.9%	99.9%	99.9%	99.9%			
Max. Efficiency	98.0%	98.0%	98.2%	98.2%	98.2%			
Euro Efficiency	97.3%	97.3%	97.4%	97.4%	97.4%			
Charged Efficiency@PV-Battery	98.5%	98.5%	98.5%	98.5%	98.5%			
Charged/Discharged Efficiency @Battery<->Grid/Load	97.6%	97.6%	97.6%	97.6%	97.6%			
PROTECTION FUNCTION								
Anti-Islanding Protection			Integrated					
PV String Input Reverse Polarity Protection			Integrated					
Insulation Resistor Detection			Integrated					
Residual Current Monitoring Unit			Integrated					
Output Over Current Protection			Integrated					
Output Short Protection			Integrated					
Over Voltage Protection			Integrated					
Surge Protection			AC: Type II					
Battery Reverse Protection			Integrated					
GENERAL DATA								
Dimensions (W*H*D) / mm	425*351*200		Communication with Cloud	RS485/Wi-Fi/4G/LAN (optional)	Relative Humidity / %	0-100		
Night Consumption / W	<13				CT Connection Type	Plug-in Connector		
Noise Emission (Typical) / dB(A)	40		Communication with BMS	CAN, RS485	Max. Operating Altitude / m	2000 (>2000 Derating)		
Operating Ambient Temperature / °C	-25 ~ +60		Communication with Meter	RS485	Climatic Category (IEC 60721-3-4)	4K4H		
Battery Connection Type	SUNCLIX		Cooling Method	Natural Cooling	Protection Class	IP65	Topology	Transformerless
AC Connection Type	Plug-in Connector				User Interface	LED/LCD	Weight / kg	19.4