

USER MANUAL



All-in-one solar charge inverter

HB-TOLS-1048

9. Datasheet

MODEL	HB-TOLS-1048	HB-TOLS-1048	CAN BE SET
INVERTER OUTPUT			
Rated Output Power	8,000W	10,000W	
Max.Peak Power	16,000W	20,000W	
Rated Output Voltage	120/240Vac (split phase/single phase)		Y
Load Capacity of Motors	5HP	6HP	
Rated AC Frequency	50/60Hz		Y
Waveform	Pure Sine Wave		
Switch Time	10ms (typical)		
Parallel capacity	/		
BATTERY			
Battery Type	Li-ion / Lead-Acid / User Defined		Y
Rated Battery Voltage	48Vdc		
Voltage Range	40-60Vdc		Y
Max.MPPT Charging Current	200A		Y
Max.Mains/Generator Charging Current	100A	120A	Y
Max.Hybrid Charging Current	180A	200A	Y
PV INPUT			
Num. of MPP Trackers	2		
Max.PV array power	11,000W		
Max.input current	22/22A		
Max.Voltage of Open Circuit	500Vdc		
MPPT Voltage Range	125-425Vdc		
MAINS / GENERATOR INPUT			
Input Voltage Range	90-140Vac		
Frequency Range	50/60Hz		
Bypass Overload Current	63A		
EFFICIENCY			
MPPT Tracking Efficiency	99.9%		
Max. Battery Inverter Efficiency	92%		
GENERAL			
Dimensions	620*435*130mm (2*1.4*0.4ft)		
Weight	20kg (44lb)	21kg (46.3lb)	
Protection Degree	IP20, Indoor Only		
Operating Temperature Range	-15~55°C, >45°C derated (5~131°F, >113°F derated)		
Noise	<60dB		
Cooling Method	Internal Fan		
Warranty	5 Years		