

PowerHeart T

10~40kVA 3 Phases Tower UPS

Internal 7/9Ah modular battery strips



Power range

10 ~40 kVA



Operation

3P/3P, Online double conversion



Designed to CARE

Small & Medium Data Center, High Density Smart Solutions, Light Industrial Applications, Smart Industry, Medium and Large Offices, Corporate Buildings.



Characteristics

- 7 inch touch LCD with IoT functions.
- High power density, small volume.
- High reliability and environment adaptability.
- Optional full metal battery strips, with internal batteries capable of configuring up to 16 battery module strips.



Full metal battery strips
(Optional)

Model		PHTT010B-LV-120	PHTT015B-LV-120	PHTT020B-LV-120	PHTT030B-LV-120	PHTT040B-LV-120
		PHTT010L-LV	PHTT015L-LV	PHTT020L-LV	PHTT030L-LV	PHTT040L-LV
Rate Power		10kVA			20kVA	
Main input	Input	3P5W (3P+N+PE)				
	Rate Voltage	200/208/220VAC(L-L)				
	Rate Freq.	50/60Hz				
	Input PF	>0.99				
	Current distortion	THDi<3% 100% Linear load				
	Voltage range	167 260VAC(L-L)full load 125 167VAC (L-L) power derate from 100% to 50%%				
	Freq. range	40-70Hz				
Battery	Rate voltage	±120VDC				
	Model Internal BAT	UPS with internal batteries,12VDC/9Ah				
	Model External BAT	UPS for external batteries,Settable				
	Quantity Internal	120PCS			160PCS	
	Quantity External	Depend on external battery (default 20 PCS,16-24 PCS, selected)				
	Charging capacity	20% Pout				
	Charging accuracy	±1%				
Bypass	Rate voltage	200/208/220VAC(L-L)				
	Voltage range	Range: -40%- +25% , Settable, default -20% +15%				
	Frequency range	50/60Hz Settable ±1Hz ±3Hz ±5Hz				
Inverter	Rate voltage	200/208/220VAC(L-L)				
	Rate Freq.	50/60Hz				
	Output PF	1				
	Voltage accuracy	±1.0%				
	Load response	<5% (20% - 80% -20% step load)				
	Recovery time	< 20ms (0% - 100% -0% step load)				
	Output THDu	<1% linear load ,<5% non-linear load according to IEC 62040-3				
	Overload	110%,1 hour 125%,10 mins 150%,1 min >150%,200ms				
	Frequency accuracy	0.1%				
	Synchronize window	Settable ±0.5Hz-±5Hz default ±3Hz				
	Slew rate	Settable 0.5Hz/S-3Hz/S default 0.5Hz/S				
	Crest factor	3:1				
	Phase Accuracy	120°±0.5°				
System	Efficiency	Normal Mode up to 94%; Battery Mode up to 94%				
	Display	LED + 7 inch touch LCD				
	Certification- Safety	IEC62040-1, IEC60950-1				
	Certification- EMS	IEC62040-2 IEC61000-4-2(ESD) IEC61000-4-3(RS) IEC61000-4-4 (EFT) IEC61000-4-5 (Surge)				
	IP degree	IP20				
	Configuration	USB, RS232, RS485, Dry contact, air filter, cold, start, ethernet				
	Option	SNMP card, AS400 card, Parallel kit				
	Environment	0-40 °C operation -25°C ~70°C storage 0-95% (Humidity, non-condensing)				
Dimension (W*D*H) mm Internal		500*530*922			500*865*1250	
Dimension (W*D*H) mm External		250*530*650		250*782*650		
Weight(kg)mm Internal BAT		143	153	155	200	
Weight(kg)) mm External BAT		43	53	66	72	