

# PowerHeart S UPS

## 1~3kVA Single phase Rack UPS



### Power range

1~3 kVA

### Operation

1P/1P, online double conversion

### Designed to CARE

Home, Small & Medium Offices, Gamers' zones, Smart Homes, Food & retail business, Business branches (gas, pharmacy, banks, ATM), Public Service Offices, etc.

### Characteristics

- High efficiency up to 96%.
- Output PF=1, high load adaptability.
- Wide input voltage range of 110-300Vac.
- Max charging current up to 12A.

Model	PHS001BR	PHS001LR	PHS002BR	PHS002LR	PHS003BR	PHS003LR	
Rate Power	1kVA/1kW	1kVA/1kW	2kVA/2kW	2kVA/2kW	3kVA/3kW	3kVA/3kW	
Cold start	Default output 50/60Hz						
Input voltage range	110~300VAC;100% load@176VAC~276VAC, 100%~50% power derating@110VAC~176VAC, 50% load@276VAC~300VAC						
Input power factor	≥0.99						
Frequency range	50/60±5Hz(default),±3Hz/±10Hz(settable)						
Output power factor	1.0						
Output	Rate voltage	220/230/240VAC, 200/208VAC(PF=0.9)					
	Load response	≤5% (0% - 100% - 0% step load)					
	Recovery time	≤40MS (0% - 100% - 0% step load)					
	Output THDu	≤2%, Linear load, ≤5% non-linear load according to IEC62040-3					
Transfer time	Main to BAT	0					
	INV to BYP	4ms					
Efficiency (normal mode)	Max 96%						
Noise (1 meter)	43dB@<60%load, 47dB@>60%load		<50dB@<60%load,<55dB@>60%load		<50dB@<60%load,<55dB@>60%load		
Overload	Normal	102%~110%: 30mins, 110%~125%:10mins, 125%~150%: 30 seconds					
	Battery mode	102%~110%: 1min, 110%~125%: 10 seconds, 125%~150%:5 seconds					
	Bypass mode	<130%: long time, 130%~150%:10mins, 150%~180%:5 seconds					
Battery	Model	12VDC/7Ah	Depend on external battery	12VDC/7Ah	Depend on external battery	12VDC/9Ah	Depend on external battery
	Quantity	3		6		6	
	Max charging	1A	1-12A(settable)	1A	1-12A(settable)	1A	1-12A(settable)
	Rate voltage	36VDC		72VDC		72VDC	
Standard	EPO, RS232						
Option	SNMP card,AS400, USB, RS485, BMS by dry contact, Air filter						
Dimension ,W*D*H(mm)	440*440*86		440*580*86		440*440*86		
Weight (kg)	19	9.5	27.5	9.7	28	10	