

OT SERIES UPS



Product features

- double conversion on-line
- Wide input voltage range
- Cold start
- Start without battery
- Automatic battery charge in UPS off mode
- Short circuit and overload protection
- Fan speed adjusted by load automatically
- Smart RS232 communication with monitoring software

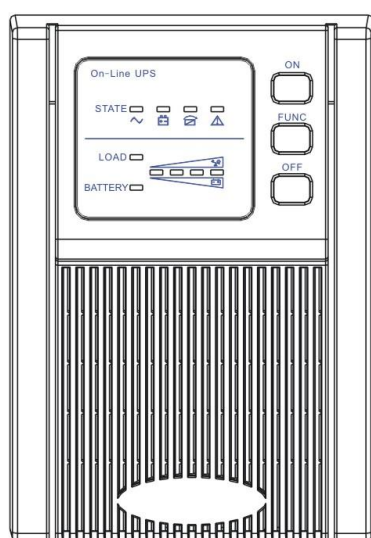


Fig.1 Front Panel view

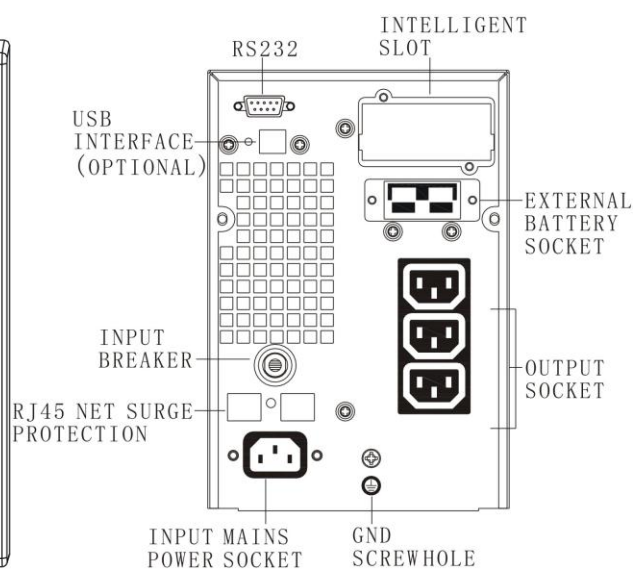


Fig.2 1kVA Rear Panel

view

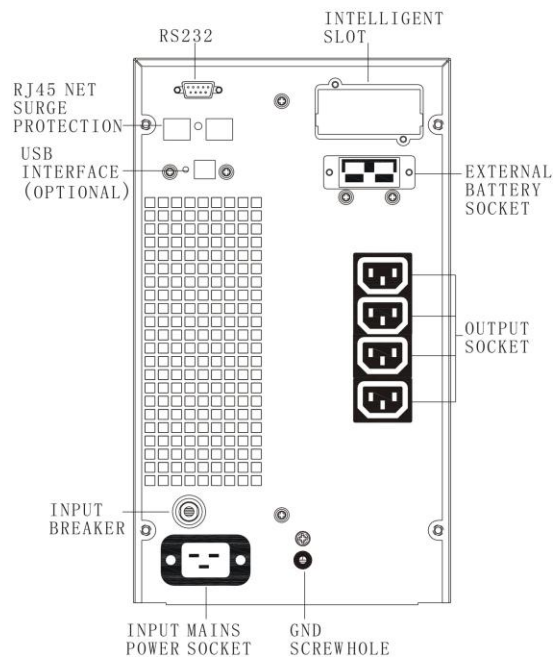


Fig.3 2KVA/3KVA Rear Panel view
Type










OUTPUT SOCKET TYPE	
 USA STANDARD SOCKET	 IEC SOCKET
 CHINESE STANDARD SOCKET	 INDIAN STANDARD SOCKET
 UNIVERSAL SOCKET	 SOUTH AFRICA SOCKET
 GERMANY STANDARD SOCKET	 AUSTRALIAN STANDARD SOCKET
 WIRING SOCKET	

Fig. 4 Output Socket

Product Performance

Model			OT1KS	OT1KH	OT2KS	OT2KH	OT3KS	OT3KH
Rated capacity			800W/1000VA		1600W/2000VA		2400W/3000VA	
input	input		Single phase and earthing					
	Voltage range		115±5VAC-295±5VAC					
	Frequency range		45Hz-55Hz@50HZ/55Hz-65Hz@60HZ					
	Power factor		≥0.99					
	Bypass range		186VAC-252VAC					
	Current harmonic		≤7%(100% nonlinear load)					
output	Output style		Single phase and earthing					
	Rated voltage		208/220/230/240VAC					
	Power factor		0.8					
	Voltage precision		±1%					
	Output Fre quency	Line mode	1、 When input frequency is in the range, the output frequency is the same as that of input. 2、 When input frequency is out of the range, the output frequency is (50/60±0.2)Hz when turn to battery mode					
		Battery	(50/60±0.2)Hz					
	Crest ratio		3: 1					
	Transfer time		Mains ↔ battery =0ms					
			Mains ↔ bypass <4ms					
	Overload capacity	Battery mode	108%±5%<load≤150%±5% >30s cut off output and warn, 150%±5%<load<200%±5% > 300ms cut off output and warn					
		Line mode	108%±5%<load≤150%±5% > 30s transfer to bypass and warn 150%±5%<load<200%±5% >300ms transfer to bypass and warn					
	efficiency	Line mode	Full load≥86%(1KVA) Full load≥88%(2-3KVA)					
		Battery mode	Full load≥84%					
Output voltage distortion		≤3%(100% linear load)						
		≤5%(100% nonlinear load)						
battery	Input battery voltage		24VDC	24VDC	48VDC	48VDC	72VDC	72VDC
	Internal battery capacity		2		4		6	
	Internal battery type		12V/7AH sealed lead acid maintenance free battery (only refers to standard UPS)					
	Backup time		Full load ≥4min (only refers to standard UPS) , As for long backup UPS, the backup time is determined by the capacity of battery.					
	Charge current (A)		1	4	1	4	1	4

◆ Work Environment

Model	1KVA-3KVA series
Temperature	0℃～40℃
Relative humidity	0～95% non-condensing
Altitude	<1500m. when >1500m, lower the rated power for use
Store temperature	-25℃～55℃

◆ Mechanical Specification

Model	Dimension W*D*H (mm)	Net weight/Gross weight(kg)
1KVAS	144*361*215	10.2/11
1KVAH		5.2/6
2KVAS	191*428*337	19.5/21.1
2KVAH		9.5/11.1
3KVAS		24/25.6
3KVAH		9.7/11.3