TSC Series

1–3kVA online Rack UPS



Power range

1~3kVA

Operation

1P/1P, online double conversion

Applications

Government, Finance, IT, Education, Transportation, Broadcasting, Medical, Energy, etc.

Characteristics

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

Model		TSC001BR	TSC001LR	TSC01.5BR	TSC01.5LR	TSC002BR	TSC002LR	TSC003BR	TSC003LR
Rate Power		1kVA/1kW	1kVA/1kW	1.5kVA/1.5kW	1.5kVA/1.5kW	2kVA/2kW	2kVA/2kW	3kVA/3kW	3kVA/3kW
Cold start		Default output 50/60Hz							
Input voltage range		110~300 VAC ;100% load@176 VAC ~276 VAC , 100%~50% power derating@110 VAC ~176 VAC , 50% load@276 VAC ~300 VAC							
Input power factor		≥0.99							
Frequency range		50/60±5Hz(default),±3Hz(settable)							
Output power factor		1.0							
Output	Rate voltage	220/230/240 VAC , 200/208 VAC (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							
	Socket(option)	IEC, Schuko, NEMA, South Africa, UK							
Transfer time	Main to BAT	0							
	INV to BYP	4ms							
Efficiency (normal mode)		Up to 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	Quantity	2(12 VDC *9Ah) 3(12 VDC *7/9Ah)	Depend on external battery	3(12 VDC *7Ah)	Depend on external battery	4(12 VDC *9Ah) 6(12 VDC *7/9Ah)	Depend on external battery	6(12 VDC *7/9Ah)	Depend on external battery
	Max charging	1A	1-12A(optional)	1A	1-12A(optional)	1A	1-12A(optional)	1A	1-12A(optional)
	Rate voltage	24/36 VDC		36 VDC		48/72 VDC		72 VDC	
Standard		EPO, RS232							
Option		SNMP card, AS400, USB, RS485, Air filter							
Dimension, W*D*H(mm)		440*440*86				440*580*86	440*440*86	440*580*86	440*440*86
Weight (kg)		16.5/19	9.5	19	9.5	22.6/27.5	9.7	28	10