TSC Series

1–3kVA online Tower 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		TSC001B	TSC01.5B	TSC001L	TSC002B	TSC002L	TSC003B	TSC003L
Rate Power		1kVA/1kW	1.5kVA/1.5kW	1kVA/1kW	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%)						
	Recovery time	≤40ms (0% - 100% -0%)						
	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						
Crest factor		3:1						
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)	3(12 VDC *9Ah)	Depend on external battery	4(12 VDC *9Ah) 6(12 VDC *7/9Ah)	Depend on external battery	6(12 VDC *9Ah) 8(12 VDC *7/9Ah)	Depend on external battery
	Max charging	1A		1-12A(optional)	1A	1-12A(optional)	1A	1-12A(optional)
	Rate voltage	24/36 VDC	36 VDC	24/36 VDC	48/72 VDC		72/96 VDC	
Standard		EPO, RS232						
Option		SNMP card, AS400, USB, RS485, Air filter						
Dimension, W*D*H(mm)		144*355*226			190*400*328	144*398*223	190*400*328	144*398*223
Weight (kg)		16.6/19.1		5	21.5/26.7	7	26.7/31.5	7