For PC server, security system, SME (small and medium enterprises), and SOHO members

TS400/ TS500/ TS500B/ TS650/ TS650B/ TS1000/ TS1000B/ TS1250/ TS1250B/ TS1700/ TS1700B/ TS2250/ TS2250B



Voltage and frequency fluctuations, surges, sags and power cuts are likely to seriously damage your sensitive equipment. These problems occur every day all over the world and are more frequent in areas with overloaded power grid systems.

The TS Series are the ideal solution to protect your small office and home office systems (SOHO), as well as other electronic devices, which are needed for daily use. Not only is TS a great value for your money but also is the UPS that is extremely easy to handle. TS fulfills the requirements of many types of users.

With their built-in batteries, most UPS products can do their jobs. However, the batteries would soon deteriorate if used often. This is where the OPTI-UPS TS Series rise above the others. With there wide range AVR, battery usage is limited to very extreme conditions while normal voltage fluctuations are easily controlled by the UPS. When things get tough on the utility source, the TS Series product line is there to give the right amount of battery backup.

The TS Series product line is your insurance to continuous performance and peace of mind!

Backup Time (Typical)

TS400	1PC+1LCD	15 mins
TS500 / TS500B	1PC+1LCD	19 mins
TS650 / TS650B	1PC+1LCD	21 mins
TS1000 / TS1000B	1PC+1LCD	33 mins
TS1250 / TS1250B	1PC+1LCD	42 mins
TS1700 / TS1700B	1PC+1LCD	42 mins
TS2250 / TS2250B	1PC+1LCD	45 mins

Front Panel

TS400 / TS500 / TS500B / TS650 / TS650B / TS1000 / TS1000B / TS1250 / TS1250B / TS1700 / TS1700B / TS2250 / TS2250B



Fault (Continuous Red Light)

AC Mode (Continuous Green Light)

3 Battery Mode (Flashing Yellow Light)



6 Power ON/ OFF



Networking

Series

For PC server, security system, SME (small and medium enterprises), and SOHO members

TS400/ TS500/ TS500B/ TS650/ TS650B/ TS1000/ TS1000B/ TS1250/ TS1250B/ TS1700/ TS1700B/ TS2250/ TS2250B

Rear Panel

TS400/ TS500/ TS650/ TS1000



110V 120V

TS1250



110V 120V

TS1700/TS2250



110V 120V



220V 230V 240V



220V 230V 240V



220V 230V 240V

TS500B/ TS650B/ TS1000B





TS1250B



110V 120V

TS1700B/TS2250B IEC



110V 120V

TS2250B US

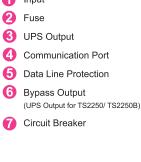


110V 120V

9.



220V 230V 240V









4

1

2

5

220

230V 240V

Input Fuse UPS Output Communication Port Data Line Protection 6 Bypass Output

Input ก

3 UPS Output

4 Communication Port

Data Line Protection

2 Fuse

A



0	Input
2	Fuse
3	UPS Output
4	Communication I
5	Data Line Protec

For PC server, security system, SME (small and medium enterprises), and SOHO members

TS400/ TS500/ TS500B/ TS650/ TS650B

Specifications

Model Name		TS400	TS500 / TS500B	TS650 / TS650B			
Topology			Line-Interactive				
On-battery Output Waveform		Simulated Sine Wave					
Maximum Capacity (VA/W)		400VA / 240W	500VA / 300W	600VA / 360W			
Nominal Input Voltage		110/120 or 220/230/240Vac*					
Nominal Input Frequency		50Hz / 60Hz Auto Sensing					
nput Voltage Range			Rated Voltage +/- 25%				
nput Protection		Fuse; Circuit Breaker for TS1250 and TS1700 models with US outlets					
nput Inlet		IEC-320-C14					
DUTPUT							
Nominal Output Voltage		110/120 or 220/230/240Vac*					
Dutput Voltage Regulation			Rated Voltage +/- 5% (on batte	ery)			
ransfer Time(Typical)		4 ms					
Start on Battery			Yes				
Auto Restart		Yes					
Automatic Voltage Regulation (AVF	२)	When the input voltage is 9 % to 25 % lower than the mains electricity, automatically raise the voltage by 15 % When the input voltage is 9 % to 25 % higher than the mains electricity, automatically lower the voltage by 13 %					
Number of Outlets		2 Battery backup outlets (IEC-320-C13) / 2 Battery backup outlets (NEMA 5-15R)					
PROTECTION		, ,	, , ,	1 X /			
Data Line Surge Protection		None	RJ11/RJ4	45 1)			
Surge Energy Rating		460 Joules(IEC outlets models); 265 Joules(NEMA outlets models)					
Overload Protection		UPS automatic power off if overload exceeds 110% of nominal at 60 seconds and 130% at 3 seconds.					
Short Circuit		UPS outp	ut cut off immediately or input fu	use protection			
Protection		· ·	Auto discharge protection				
BATTERY							
Jser Replaceable Battery		12V / 4.5Ah x 1	12V / 4.5	Ah x 1			
ypical Backup Time**		15 min	19 min	21 min			
Recharge Time to 90% (Typical)			< 4 Hours				
DVANCED WARNINGS / DIAGN	OSTICS						
Front Panel LEDs		Power Status / AC mode / Battery Mode / Battery Fault / Overload					
Audible Alarms		Battery Mode / Battery Low /Overload					
COMMUNICATIONS INTERFACE				-			
Communication Port		None	RS23	32 2)			
ENVIRONMENTAL							
Operation Temperature		0~40°C / 32~104°F					
Storage Temperature			-20~60°C / -4~140°F				
Audible Noise			< 40 dBA				
PHYSICAL			10	/ / / 0 = = 0 =			
Dimensions (Physical/Packing)	(in) 1	10.2×3.8×5.3 / 11.8×5.5×8.6 12.5×3.8×5.3 / 14.3×5.5×8.7					
L×W×H)		60×97×135 / 299×139×218		364×139×220			
Veight (Net/Gross)	(lbs) (kg)	9.2/10.1 4.2/4.6	13.9 / 15.0 6.3 / 6.8	14.3 / 15.4 6.5 / 7.0			
CONFORMANCE							
Approvals		U	L / cUL(1X0V) ; CE , GOST-R(2	2X0V)			
Specifications are subject to change with	hout notice			-			

Specifications are subject to change without notice.

1) TS-B models only.

2) TS-B models only. You can purchase RS232 to USB cable.

* Models of these nominal voltages are available, however each model is present to certain nominal voltage, which is not user-changeable.

** Typical backup time represents backup time for load equivalent to one PC and one 15" LCD monitor. Values here are for reference only.













For PC server, security system, SME (small and medium enterprises), and SOHO members

TS1000/ TS1000B/ TS1250/ TS1250B/ TS1700/ TS1700B/ TS2250/ TS2250B

Specifications

Model Name		TS1000 / TS1000B	TS1250 / TS1250B	TS1700 / TS1700B	TS2250 / TS2250B		
Topology				teractive			
On-battery Output Waveform				Sine Wave			
Maximum Capacity (VA/W)		800VA / 480W	1000VA / 600W	1500VA / 900W	2000VA / 1200W		
INPUT		000VA7400W	1000VA / 000VV	1300VA7 900W	2000VA71200VV		
Nominal Input Voltage			110/120 or 22	0/230/240Vac*			
Nominal Input Frequency				Auto Sensing			
Input Voltage Range				age +/- 25%			
Input Protection		E,	se; Circuit Breaker for TS1250 a		lote		
Input Inlet		10		20-C14	liets		
OUTPUT			IEC-3.	20-014			
Nominal Output Voltage			110/120 or 22	0/230/240Vac*			
Output Voltage Regulation				/- 5% (on battery)			
Transfer Time(Typical)				ms			
Start on Battery				es			
Auto Restart				es			
		VVr	nen the input voltage is 9 % to 2		city,		
Automatic Voltage Regulation (AVR)		automatically raise the voltage by 15 %					
······································		Wh	en the input voltage is 9 % to 25		icity,		
				the voltage by 13 %			
		2 Battery backup outlets	4 Battery backup outlets + 1		5 Battery backup outlets		
Number of Outlets		(IEC-320-C13)	Bypass outlets (IEC-320-C13)		(IEC-320-C13)		
		2 Battery backup outlets	4 Battery backup outlets + 1	5 Battery backup outlets	5 Battery backup outlets		
		(NEMA 5-15R)	Bypass outlets (NEMA 5-15R)	(NEMA 5-15R)	(NEMA 5-15R)		
PROTECTION							
Data Line Surge Protection		RJ11/RJ45 1)					
Surge Energy Rating			es(IEC outlets models) ; 110/12				
	TS1250/TS1250B, TS1700/TS1700B, TS2250B 1185 Joules(NEMA outlets modules)						
Overload Protection				f overload exceeds 110% of			
				and 130% at 3 seconds.			
Short Circuit				ately or input fuse protection			
Protection			Auto dischar	rge protection			
BATTERY							
User Replaceable Battery		12V / 34W x 1	12V / 7.2		12V / 34W x 2		
Typical Backup Time**		33 min	40 min	42 min	45 min		
Recharge Time to 90% (Typical)		< 4 Hours					
ADVANCED WARNINGS / DIAGNOST	TICS						
Front Panel LEDs			Power Status / AC mode / Batter		ad		
Audible Alarms			Battery Mode / Ba	ttery Low /Overload			
COMMUNICATIONS INTERFACE							
Communication Port					RS232 2) for 220/230/240V models		
			RS232 ²⁾		USB ¹⁾ for 110/120V models		
ENVIRONMENTAL							
Operation Temperature			0~40°C /	32~104°F			
Storage Temperature		-20~60°C / -4~140°F					
Audible Noise							
PHYSICAL							
Dimensions (Physical/Packing)	(in)) 12.5×3.8×5.3 / 14.3×5.5×8.7 15×5.1×7.5 / 19.1×9.6×12.2					
		320×97×135/364×139×220 382×130×192/485×244×310					
Weight (Net/Gross)	(lbs)	14.7 / 15.9	28.6 / 32.6 35.0 / 38.0				
	(kg)	6.7 / 7.2	13.4 / 14.8 15.9 / 17.3				
CONFORMANCE	(19)	0.777.2	13.4 / 14.0	15.97	17.5		
Approvals				$E = GOST_R(2X0)/)$			
/ ppiorula		UL / cUL(1X0V) ; CE , GOST-R(2X0V)					

Specifications are subject to change without notice.

1) TS-B models only.
2) TS-B models only. You can purchase RS232 to USB cable.
* Models of these nominal voltages are available, however each model is present to certain nominal voltage, which is not user-changeable.
** Typical backup time represents backup time for load equivalent to one PC and one 15" LCD monitor. Values here are for reference only.



