

TS8 mobile data terminal power supply manual and specifications

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Product versions

EU plug version - TS8-PR01

UK plug version - TS8-PR11

Key parameters

nominal output voltage	output current min	output current max	output wattage max	ripple*	efficiency level
5V dc	0A	1A	5W	150 mVp-p	V

*at full load, 100 ~ 240 V ac input, 20 MHz bandwidth oscilloscope ,each output terminated with a 47 μ F aluminium electrolytic and 0.1 μ F ceramic capacitors.

Input parameters

parameter	conditions/description	min	nom	max	units
rated input voltage		100		240	V ac
input voltage range		90		264	V ac
rated frequency		50		60	Hz
frequency range		47		63	Hz
input current				0.3	A
inrush current	at 115 V ac, cool start			30	A
	at 230 V ac, cool start		60	A	
no load power consumption				0.3	W

Output parameters

parameter	conditions/description	min	nom	max	units
line regulation			±3		%
load regulation			±3		%
over voltage protection	protected through primary circuit IC				
short circuit protection	output shut down and auto restart				

Safety & Compliance



parameter	conditions/description	min	nom	max	units
HI-POT	input to output at 10 mA for 1 minute			3,000	V ac
				4,242	V dc
insulation resistance	input to output at 500 V dc	100			MΩ
safety approvals	GS				
EMC/EMI	CE, FCC				
leakage current				0.1	mA
RoHS compliant	yes				

Environmental information

parameter	conditions/description	min	nom	max	units
operating temperature		0		50	°C
operating humidity		20		80	%
storage temperature		-10		70	°C
storage humidity		10		90	%

IMPORTANT SAFETY INSTRUCTIONS

THIS PRODUCT IS INTENDED FOR INDOOR USE ONLY

When using an electrical appliance, basic safety precautions should always be followed, including the following:

Read all instructions before using power supplies.

Danger

To reduce the risk of electronic shock a power supply should never be left unattended when plugged in. Always unplug this power supply from electric outlet immediately after using.

Warning

To reduce the risk of burns, fire, electric shock, or injury to persons:

1. Do not allow to be used as a toy. Pay close attention when this power supply is used by or near children.
2. Use this power supply only for its intended use as described in this manual. Use only attachments recommended by the manufacturer as contained in this manual.
3. Never operate this power supply if it has a damaged cord or plug, if its not working properly, if it has been dropped or damaged, or fallen into water. In such cases, return the appliance to the nearest authorised dealer or service centre for examination, repair, electrical or mechanical adjustment.
4. Never drop or insert any object in to any openings.
5. Do not use outdoors.
6. Do not operate where aerosol (spray) products are being used or where oxygen is being administered.
7. The socket-outlet should be installed near the power supply and should be easily accessible.
8. Do not unplug by pulling on cord. To unplug, pull on the plug, not on the cord.
9. Units without Level V Efficiency may no longer be used for electronic household and office equipment.