

TR75

MOBILE POWER ADAPTER



TR75 MOBILE POWER ADAPTER

- Thermal Shutdown
- Short Circuit Protection
- Input Overvoltage Shutdown
- Input Undervoltage Shutdown
- Output Overvoltage Shutdown
- Complies With EMI/RFI Regulations
- No Minimum Load
- 3 Year Warranty

TR75

Ault Part No.	Voltage DC	Max Amps	Max Watts
TR7515	15.7V	4.77	75
TR7516	16.2V	4.63	75
TR7518	18.2V	4.12	75
TR7519	19.2V	3.91	75
TR7520	20.2V	3.71	75
TR7524	24.1V	3.11	75

Ault Part No. Key

TR75	15
------	----

Product Family Name	Output Voltage
---------------------	----------------



AULT INCORPORATED

7105 Northland Terrace | Minneapolis, Minnesota 55428 | USATEL (1) 763-592-1900

FAX (1) 763-592-1911 | E-MAIL info@aultinc.com | WEB www.aultinc.com

© Copyright 2003 Ault Inc.

TR75

MOBILE POWER ADAPTER

Electrical

Input	12 - 15.5 Vdc. Adapter turns on with an input above 10.5Vdc
Start Delay	<2 Seconds
Turn-On Overshoot	<2%
Efficiency	>90% at full load with 10.5Vdc input. (Measured at PCB input and output wire terminations)
Switching Frequency	50kHz +/- 10%
Ripple	1% of rated voltage maximum
Voltage Setpoint Accuracy	-50mV / +250mV typical
Combined Line and Load Voltage	+/- 1% (at PCB contacts)
Output Power Indicator	Green LED

Input

Input Jack	2.5 mm
Input Cable	36" cable with 8A 3AG fused cigarette lighter plug and terminated on adapter end with 2.5 mm plug.

Output

Output Jack (J1)	MP205
Output Cable	36" cable with MP205 plug on adapter end. Application end is terminated to mate with desired notebook computer.

Protection

Short Circuit	Auto recovery when short is removed
Current Limiting	0.75A +/- 0.5A above rated current
Input Overvoltage	Adapter shuts down when the input is greater than 16.2Vdc +/-300mV. Auto recovery when input drops below 15.8Vdc +/- 300mV
Input Undervoltage	Adapter shuts down when the input is less than 7.4Vdc +/-250mV
Input Reverse Polarity	Diode protected by blowing input fuse
Output Overvoltage Protection	Adapter shuts down if the output is greater than 120-150% of the rated output voltage
Thermal Shutdown	Adapter shuts down when the case temperature rises above 85°C. Adapter restarts when the case temperature drops below 70°C

Safety Approvals

Agency Listings	CULus 1950, UL2089, TUV EN60950
-----------------	---------------------------------

Mechanical

Case Dimensions	3.25L x 2.375W x 1.15H (in)
Weight	7 oz



AULT INCORPORATED

7105 Northland Terrace | Minneapolis, Minnesota 55428 | USATEL (1) 763-592-1900

FAX (1) 763-592-1911 | E-MAIL info@aultinc.com | WEB www.aultinc.com

© Copyright 2003 Ault Inc.