



Datasheet

ENGLISH

ADDITIONAL EQUIPMENT

RS Power Supplies

RS Stock No.
7748190

- Power input: 220Vac
- Output: 12Vdc, 1Amp
- Battery charging circuit



DIMENSIONS	HEIGHT	WIDTH	DEPTH
	235	185	80

All dimensions in mm



Linear Power Supply with Metal Case

PRODUCT SPECIFICATIONS

RS STOCK NUMBER	7748190	7748204	7748201	7748194	7748207	7748210
INPUT						
Rated Voltage (VAC)	230 ~ 240					
Frequency Range (Hz)	50					
Current (A)	≤ 0.2	≤ 0.5	≤ 0.8	≤ 0.4	≤ 0.9	≤ 1.4

OUTPUT						
Rated Voltage Range (VDC)	13.5 ~ 14.0	13.5 ~ 14.0	13.5 ~ 14.0	27.2 ~ 28.0	27.2 ~ 28.0	27.2 ~ 28.0
Unload Voltage (VDC)	14.0 Max.	14.0 Max.	14.0 Max.	28.0 Max.	28.0 Max.	28.0 Max.
Current Range (A)	0 ~ 1.0	0 ~ 3.0	0 ~ 5.0	0 ~ 1.0	0 ~ 3.0	0 ~ 5.0
Output Ripple (Vp-p)	2 Max.			2 Max.		
Battery Charger Voltage (VDC)	13.5 ~ 14.0	13.5 ~ 14.0	13.5 ~ 14.0	27.2 ~ 28.0	27.2 ~ 28.0	27.2 ~ 28.0
Unload Battery Charger Voltage (VDC)	14.0 Max.	14.0 Max.	14.0 Max.	28.0 Max.	28.0 Max.	28.0 Max.
Battery Charger Current (A)	0.2 Max.	0.2 Max.	0.5 Max.	0.2 Max.	0.2 Max.	0.5 Max.
Charger Output Ripple (Vp-p)	2 Max.			2 Max.		

PROTECTION						
AC Input	Current fuse protection					
Output Short-Circuit	Latch off main output, reset by recycle AC input					
Output Over Voltage (VDC)	15 ~ 18	15 ~ 18	15 ~ 18	29 ~ 33	29 ~ 33	29 ~ 33
Battery Polarity Reverse Protection	PPTC protection (auto-recover without damage when fault conditions are removed)					
Battery Charger Output Short-Circuit	PPTC protection (auto-recover without damage when fault conditions are removed)					
Over Temperature (°C)	85 ~ 95	105 ~ 115	115 ~ 125	85 ~ 95	105 ~ 115	115 ~ 125
Battery Low-Voltage Shutdown (VDC)	9.0 ~ 10.5			19.0 ~ 21.5		

OTHERS						
Dimensions (mm)	185(W) × 235(H) × 80(D)	322(W) × 322(H) × 85(D)				
Weight (kg)	2.1 approx.	2.5 approx	4.2 approx.	3.0 approx.	3.5 approx.	5.8 approx.