

240W SMPS Battery Charger

- Ac input range selected by switch 115/230V
- Short, Overload, Overvolt, Overtemp protect.
- Approvals : CSA / NRTL / CE
- Battery Under/Over/Reverse Voltage protect.
- Auto Fan ON/OFF control at 50°C
- 3 colour LED loading indication
- Adjustable output voltage
- Constant voltage regulation

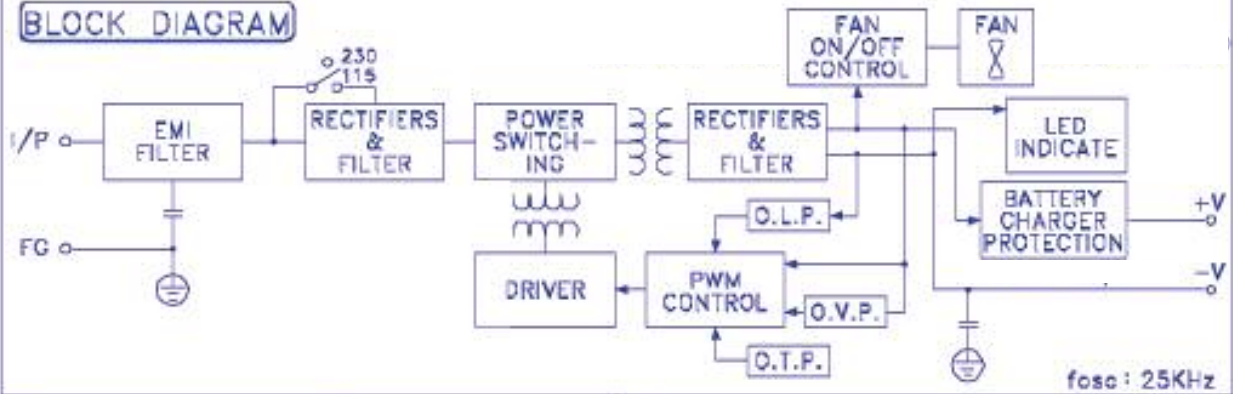


WOODS Battery Chargers
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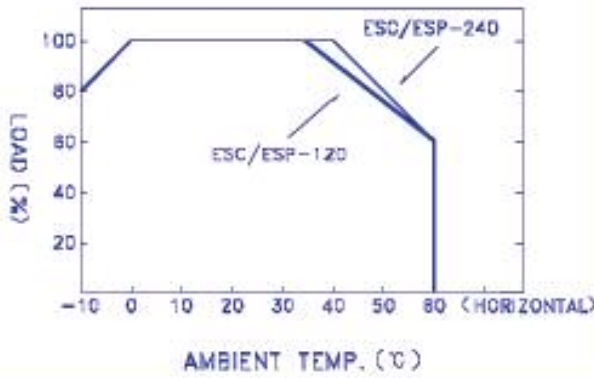
SPECIFICATION	240W		
	C1216	C2408	C4804
DC TERMINAL VOLTAGE	12V	24V	48V
DC OUTPUT VOLTAGE	13.5V	27.0V	54.0V
OUTPUT VOLTAGE TOLERANCE	± 2%	± 1%	± 1%
OUTPUT RATED CURRENT	16A	8A	4A
OUTPUT CURRENT RANGE	0~16A	0~8A	0~4A
RIPPLE & NOISE	120mV p-p	150mV p-p	400mV p-p
LINE REGULTION	± 1%	± 0.5%	± 0.5%
LOAD REGULATION	± 2%	± 1%	± 0.5%
DC OUTPUT POWER (max)	240W	240W	240W
EFFICIENCY	81%	84%	85%
DC VOLTAGE ADJUST	12~15V	24~30V	48~56V
INPUT VOLTAGE RANGE	88~132Vac / 176~264Vac (sw. select); 47~63Hz		
AC CURRENT	4.5A/115V 2.5A/230V		
INRUSH CURRENT	COLD START 35A		
LEAKAGE CURRENT	<3.5mA/240Vac		
OVERLOAD PROTECTION	105%~135% Foldback current limiting Auto recovery		
OVER VOLTAGE PROTETION	115% ~ 135%		
FAN CONTROL	RTH5>=60°C FAN ON, <50°C FAN OFF		
OVER TEMPERATURE PROTECTION	RTH5>=85°C OUTPUT SHUTDOWN		
BATTERY PROTECTION	C series with BAT. POLARITY, BAT. UNDER V, BAT. OVER V		
SETUP, RISE, HOLDUP TIME	200mS, 100mS, 10mS		
VIBRATION	1~500Hz, 2G 10min./1cycle, PERIOD 60min.		
WITHSTAND VOLTAGE	I/P-O/P:3kVac, I/P-FG:1.5kVac; O/P-FG: 0.5kVac		
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG: 500vDC / 100M Ohms		
WORKING TEMP., HUMIDITY	-10°C~+60°C (refer derating curve), 20%~90%RH		
STORGE TEMP., HUMIDITY	-20°C~+85°C, 10%~95%RH		
DIMENSION	150 x 140 x 75mm CASE: 909		
WEIGHT	1.4kg		
SAFETY STANDARDS	CSA INTERNATIONAL MARK APPROVED (CSA1010.1, UL3101.1, IEC1010.1, EN61010.1) AP-PROVED		
EMC STANDARDS	CISPR22 (EN55022), IEC801-2,3,4 IEC555-2 VERIFICATION		

MODEL: **C1216**
C2408
C4804

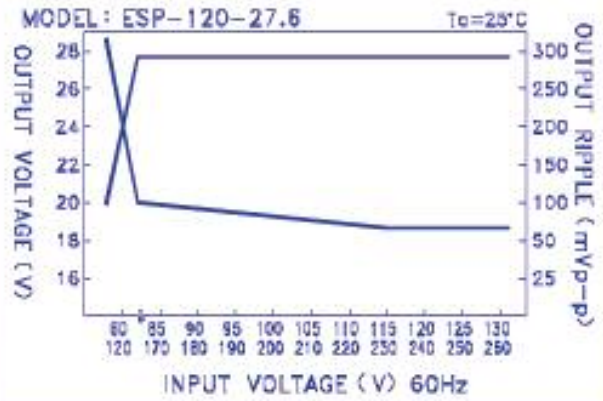
BLOCK DIAGRAM



OUTPUT DERATING



STATIC CHARACTERISTICS



DIMENSION (mm)

- ☒ CASE : 909
- ☒ PIN+ : DC OUTPUT +V
- ☒ PIN- : DC OUTPUT COM

