

100 WATT AC-DC **POWER SUPPLY** WITH PFC













Features

- Universal Input Range 90~264Vac
- Full Load with Baseplate Cooled and no fan required
- Wide Operating Temperature Range
- 17mm Ultra Low Profile Package
- Safety Meets EN60950-1
- Built-in EN55022 Class B Filter

- Active PFC Meets EN61000-3-2
- High Efficiency Up to 90% Typical
- No Load Input Power Consumption < 0.5 W
- Over Temperature Protection
- Over Voltage Protection
- Over Current Protection

MODEL	VOLTAGE OUTPUT	OUTPUT CURRENT	RIPPLE & NOISE NOTE1	VOLTAGE ACCURACY NOTE2	LINE REG. NOTE3	LOAD REG. NOTE4	% EFF. (Typ.) NOTE5
CBM100\$120	+12V	8.4A	1.0%	±1.0%	±0.5%	±1%	90%
CBM100S240	+24V	4.2A	1.0%	±1.0%	±0.5%	±1%	91%
CBM100S280	+28V	3.6A	1.0%	±1.0%	±0.5%	±1%	91%
CBM100S360	+36V	2.8A	1.0%	±1.0%	±0.5%	±1%	91%
CBM100S480	+48V	2.1A	1.0%	±1.0%	±0.5%	±1%	91.5%

Specifications INPUT SPECIFICATIONS: **OUTPUT SPECIFICATIONS:** Over Voltage ProtectionRecycle AC input to restart Short Circuit ProtectionHiccup mode(Auto Recovery) Over Current Protection Auto Recovery Over Temperature ProtectionAuto Recovery Temperature Coefficient±0.05%/°C **GENERAL SPECIFICATIONS:** Operating Ambient Temperaturesee derating curve Storage Temperature -40~100°C MTBF MIL-HDBK-217F, GB, 25°C/115VAC 100 hrs min. No Load Input Power Consumption.....<0.5W Dimensions......4.598x2.402x0.669 Inches (116.80x61.00x17.00mm)

Emission and Immunity EN55022 Class B, FCC Part 15 Class B

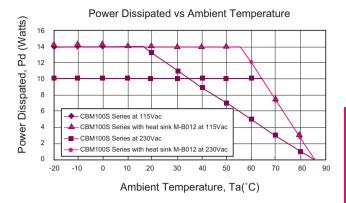
Safety IEC60950-1, EN60950-1, UL60950-1

EN61000-6-3, EN61000-3-2, EN61000-3-3

EN55024, EN61000-6-1, EN61204-3

SAFETY AND EMC:

CBM100S Series Derating Curve_{NOTES}



NOTE:

- 1. CBM100S Series: Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple &Noise measuring @20MHz BW.
- 2. Voltage accuracy is set at 60% rated load and 25°C.Ta.
- Line regulation is measured from High Line to Low Line with rated load.
- 4. Load regulation is measured at 60%±40% rated.
- 5. Typical efficiency with 230VAC and full load at 25°C.
- 6. Power dissipation (Pd): Pd =Pi-Po=Po(1- η)/ η

