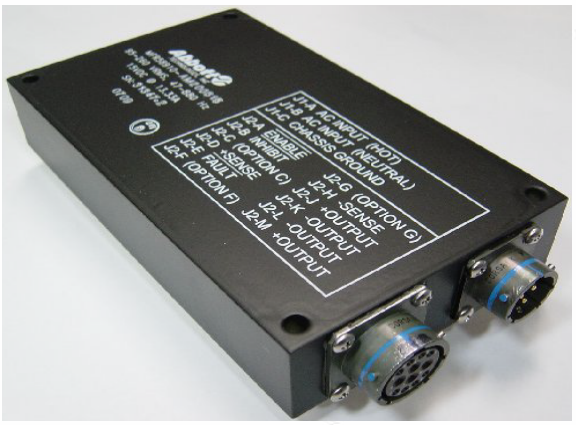
200 Watt Enclosed AC-DC Switchers

Abbott TECHNOLOGIES
Rock Solid Reliability

For Extreme Environments

Features

- Power Factor Correction
- Compliant with applicable MIL-STD-461, CE101, and CE102
- Meets applicable MIL-S-901 (High Impact Shock)
- Meets applicable Mil-STD-810
- Droop (Zero Wire) Current Sharing Available
- Internal Or Diode Available
- Fully Sealed to meet IP65
  (Optional connectors available to meet IP67)



SPECIFICATIONS

AC Input:
95-260 VAC, 47-880Hz, single phase. Power factor corrected. Meets MIL-STD-1399, Section 300, type 1 requirements. (spike voltage test)

Efficiency:
80% minimum.(88% typ, 28 VDC Model at 100% load)

Line Regulation:
±1% of nominal over the full range of line input voltage

Load Regulation:
±1% for change from no load to full load

Ripple and Noise:
Peak-to-peak combined ripple and noise does not exceed 2% of nominal on the output measured with a 20 MHz bandwidth

Temperature Range:
Storage, transport and handling: -50°C to +85°C. Ambient temperature: -40°C to +70°C baseplate with no power derating.

Isolation:
Input to output: 1500 VDC
Input to case: 1500 VDC
Output to case: 500 VDC

Circuit Protection:
Each unit is completely protected against a short circuit of any duration. The current limit circuit is nominally set at 120% of full load.to reduce voltage The output voltage automatically restores to normal when the short is re-moved

Hold-up Time:
7 milliseconds at full load, 25°C. (28V Model)

Control Features:
"INHIBIT," "ENABLE" (TTL LOW = TRUE).

Built-in Test Feature:
OUTPUT FAULT ALARM (TTL LOW = FAULT).

Reliability:
MTBF 236,072 calculated per MIL-HDBK-217Fn.2/25C/Full Load ground benign

Electromagnetic Compatibility:
Meets the following MIL-STD-461 requirements: CE101, CE102.
Weight: 2.5 lbs typical.

OUTLINE DIMENSIONS:
Refer to mechanical drawings

WEIGHT: 2.5 lbs max

Environmental Conditions:
Shock test: Unit meets MIL-S-901 requirements (light weight).
Vibration test: Unit meets MIL-STD-167, type 1 requirements.
Humidity: Power supply operates without any evidence of degraded performance in non-condensing relative humidity up to 95%

Model Number System

AM200 X 28

- 28 — VOLTAGE OUTPUT
- X — S - STANDARD CONNECTOR (UNIT MEETS IP65); M - FULLY SEALED WATERPROOF CONNECTOR (UNIT MEETS IP67)
- AM200 — MODEL FAMILY (200W OUTPUT)

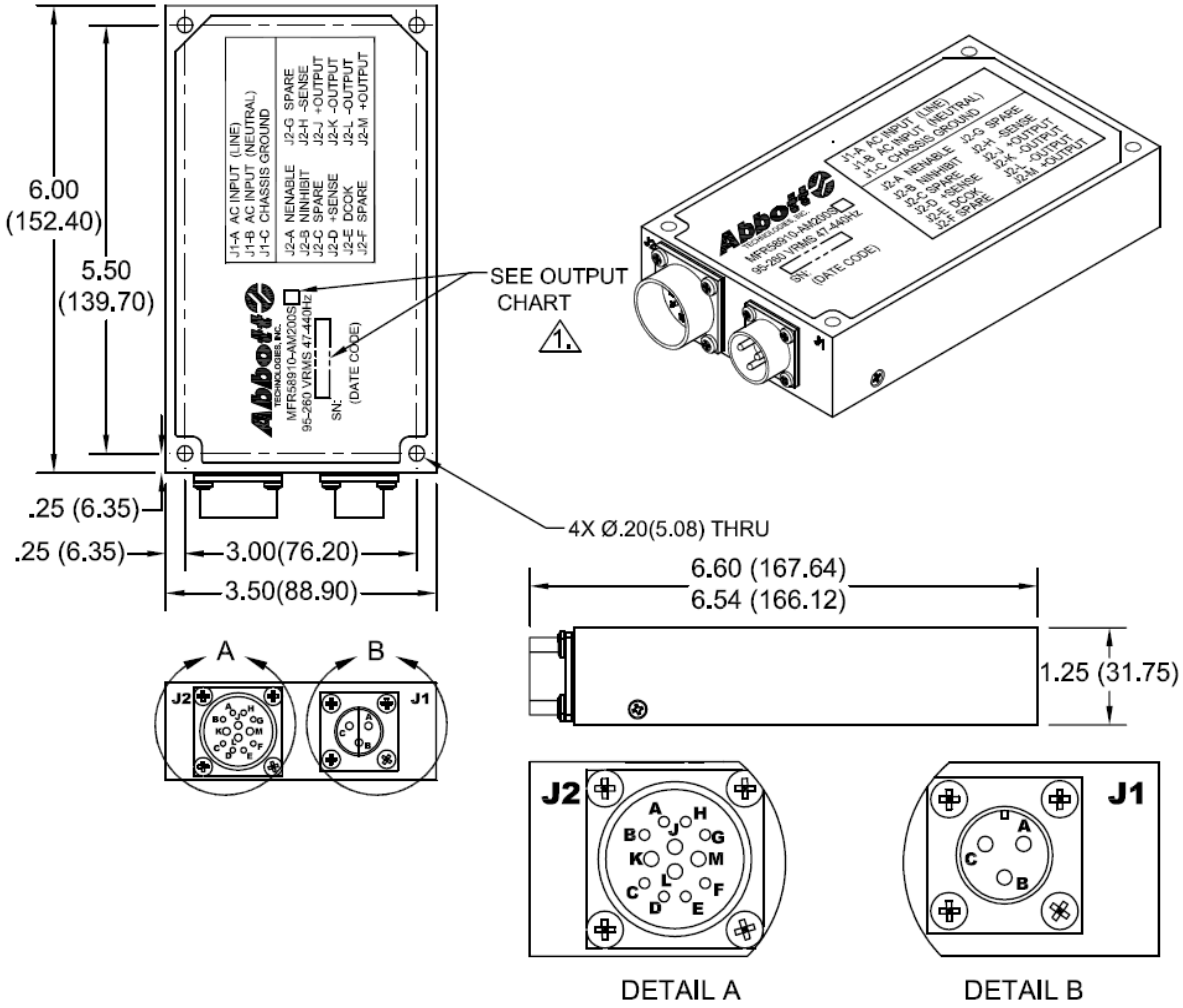
Maximum Current Output Ratings

OUTPUT VOLTAGE	MAX. CURRENT
12V	16.66A
13.6V	14.7A
15V	13.33A
24V	8.33A
28V	7.14A
48V	4.17A

8203 Vineland Avenue
Sun Valley California 91352
800-367-8200 www.abbott-tech.cor
sales@abbott-tech.com

Subject to change without notification

200 Watt Enclosed AC-DC Switchers



1. INPUT: 95-260 VRMS, 47-440 Hz

OUTPUT	MODEL
12 VDC@16.67A	AM200S12
13.6VDC@14.7A	AM200S13.6
15VDC@13.33A	AM200S15
24VDC @ 8.33A	AM200S24
28VDC @ 7.14A	AM200S28
48VDC @ 4.17A	AM200S48

J2 MS3470W14-12S (O/P)			
PIN #	FUNCTION	PIN #	FUNCTION
J2-A	NENABLE	J2-G	SPARE
J2-B	NINHIBIT	J2-H	-SENSE
J2-C	SPARE	J2-J	+OUTPUT
J2-D	+SENSE	J2-K	-OUTPUT
J2-E	DCOK	J2-L	-OUTPUT
J2-F	SPARE	J2-M	+OUTPUT

J1 MS3470W12-3P (I/P)	
PIN #	FUNCTION
J1-A	AC INPUT (LINE)
J1-B	AC INPUT (NEUTRAL)
J1-C	CHASSIS GROUND

8203 Vineland Avenue
Sun Valley California 91352
800-367-8200 www.abbott-tech.com
sales@abbott-tech.com