

1 INPUT: 95-260 VRMS, 47-440 Hz
OUTPUT MODEL

12VDC @ 16.67A	AS200S12
13.6VDC @ 14.7A	AS200S13.6
15VDC @ 13.33A	AS200S15
24VDC @ 8.33A	AS200S24
28VDC @ 7.14A	AS200S28
48VDC @ 4.17A	AS200S48

J1 (POSITRONIC INDUSTRIES P/N GFSH109M3H) SEE SHEET 3 FOR PIN FUNCTION.
(POSITRONIC INDUSTRIES P/N GFSH109M4B HORIZONTAL CONNECTOR)

ABBOTT MODEL AS200
INPUT/OUTPUT CONNECTOR PIN ASSIGNMENT
POSITRONIC INDUSTRIES P/N GFSH109M3H

PIN #	FUNCTION	PIN #	FUNCTION
1	AC IN LINE	11	(SPARE)
2	AC IN LINE	12	(SPARE)
3	AC IN (NEUTRAL)	13	+ SENSE
4	AC IN (NEUTRAL)	14	- SENSE
5	CHASSIS GND	15	(SPARE)
6	CHASSIS GND	16	+ OUTPUT
7	NINHIBIT	17	+ OUTPUT
8	NENABLE	18	- OUTPUT
9	(SPARE)	19	- OUTPUT
10	DCOK		

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Rock Solid Reliability for over 50 years.

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WHEN RELIABILITY IS IMPERATIVE™



AM200 AS200

AM200/AS200 200 Watt AC-DC Switchers

- Features:
- Power Factor Correction
 - Compliant with MIL-STD-461, CE101, and CE102
 - Meets MIL-S-901 (High Impact Shock)
 - Meets applicable MIL-STD-810
 - AM200 fully sealed to meet IP65
(Optional connectors available to meet IP67)

- Options available:
- Droop (Zero Wire) Current Sharing
 - Internal ORing Diode

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For Extreme Environments

- ✓ Power Factor Correction
 - ✓ Compliant with MIL-STD-461, CE101, and CE102
 - ✓ Meets MIL-S-901 (High Impact Shock)
 - ✓ Meets applicable MIL-STD-810
 - ✓ AM200 fully sealed to meet IP65 (Optional connectors available to meet IP67)
- Options: Droop (Zero Wire) Current Sharing & Internal ORing Diode



Specifications:

AC Input:

95-260 VAC, 47-440Hz, 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 20MHz bandwidth

Temperature Range:

Storage, Transport and Handling:

-50°C to + 85°C

Baseplate Temperature:

-40°C to +70°C with no Power Derating

Overtemperature Protection:

Output shut down if maximum case
temperature limit is exceeded

Isolation:

Input to Output: 1500 VDC
Input to Case: 1500 VDC
Output to Case: 500 VDC

Short Circuit Protection:

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

Remote Error Sensing:

Standard

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

Outline Dimensions:

Refer to Mechanical drawings on
opposite and back page

Weight:

2.5lbs max (1.7lbs max for AS200)

Environmental Conditions:

Shock Test: Unit meets MIL-S-901
requirements (lightweight)

Vibration Test: Unit meets MIL-STD-167,
Type 1 requirements

Humidity Test: Power supply operates
without any evidence of degraded
performance in non-condensing relative
humidity up to 95%

Ordering Information:

Model Number System

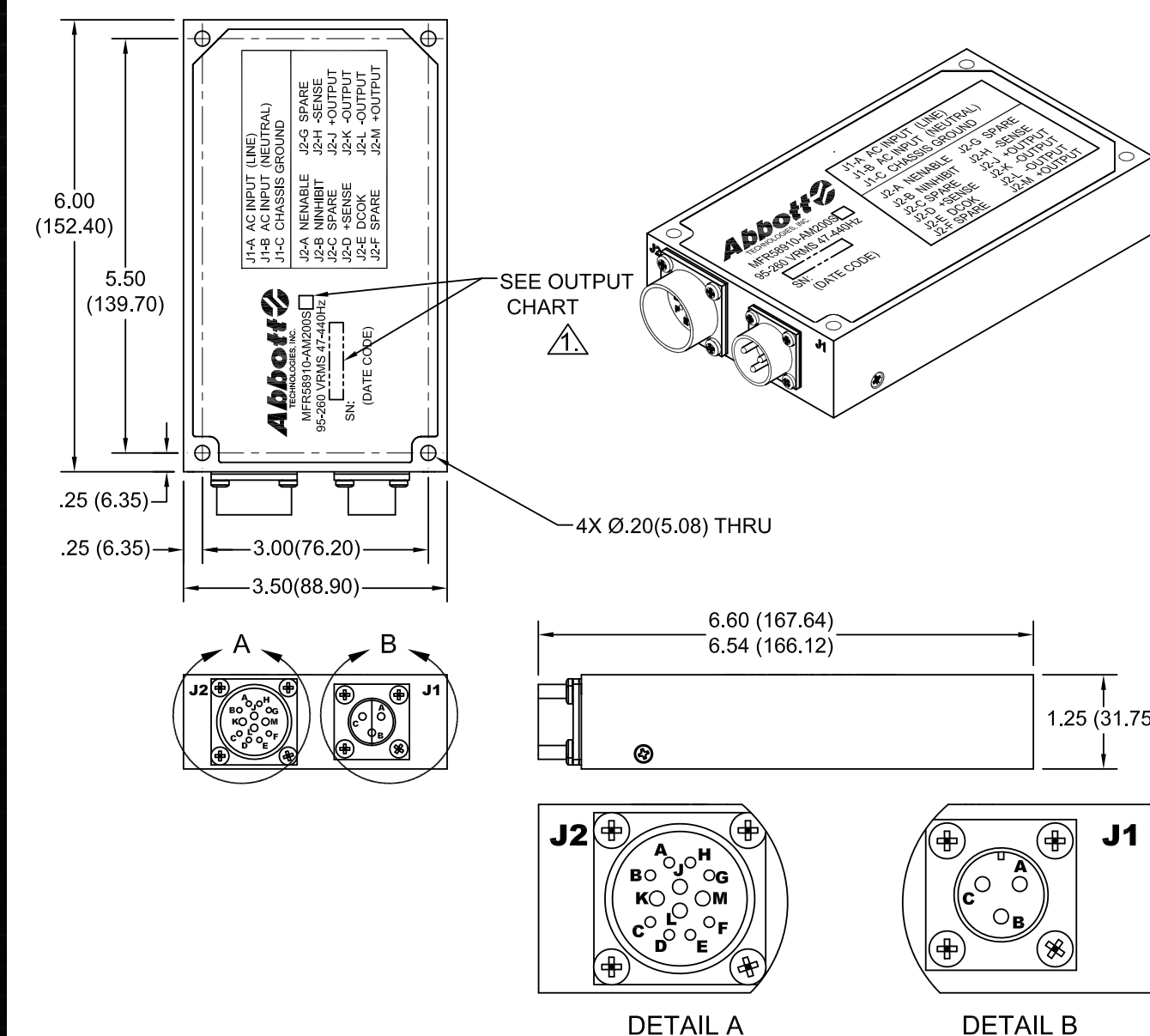
AS200 S 28

- Model Family (**AM200** or **AS200** - 200 Watt Output)
- S** = Standard Connector (Unit meets IP65 on AM200 only)
- M** = Fully Sealed Waterproof Connector (Unit meets IP67 on AM200 only)
- Voltage Output (see chart to right for Voltage options and Max Current)
- Blank** = Vertical Connector (Standard) or
- H** = Horizontal Connector (AS200 only)

Example as shown above: AS200 - 200 Watt Output with Standard Connector,
28 Volt, Vertical Connector

Maximum Current Output Rating

Output Voltage	Max Current
12V	16.66A
13.6V	14.7A
15V	13.33A
24V	8.33A
28V	7.14A
48V	4.17A



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OUTPUT	MODEL
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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

2. FINISH: BLACK PAINT.
3. MATING CONNECTOR:
(J1) MS3476W12-3S
(J2) MS3476W14-12P
4. DIMENSION IN PARENTHESIS () ARE IN MILLIMETERS.

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(See reverse side for AS200 Mechanical Drawing)