

TECHNICAL DATA SHEET

48-Volt SERIES

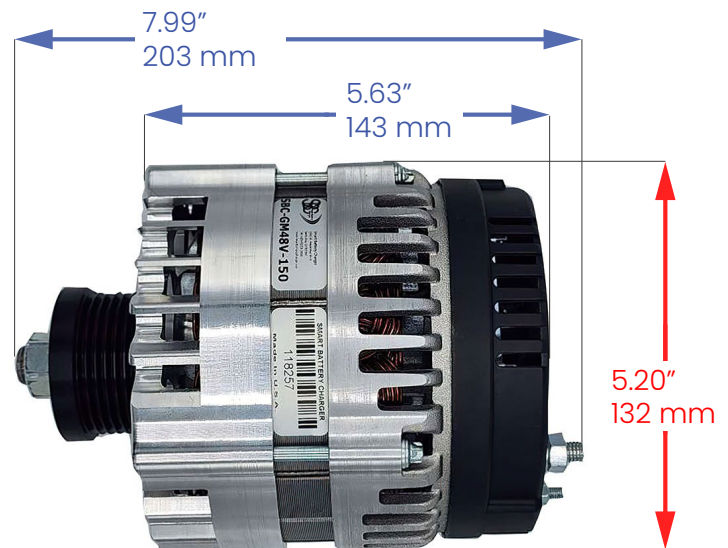
GM AD244 Series

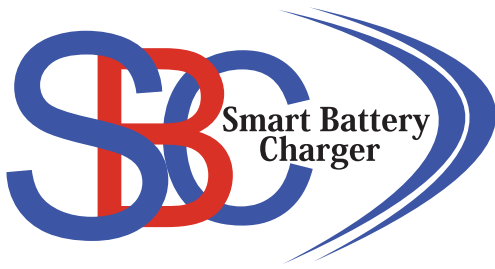
AD244/DR44

SBC-GM48V-100

SBC-GM48V-175

Output Voltage	48
Maximum Amperage	100 - 175
Amps @ Engine Idle	35 - 20
Mounting	AD244/DR44
Rotation	Clockwise or Counter-clockwise
Housing Material	6061 Aircraft Grade Aluminum
Pulley Diameter	2.50" (64 mm) or 2.25" (57 mm)
Pulley Material	6061 Aluminum w/ Type III Hard Coat Anodizing
Output Stud	M8 x 1.25
Ground	Case
Regulation	External
Excitation	Self-excited
Net Weight	18.7 lbs (8.5 kg)
Gross Weight	22 lbs (9.9 kg)



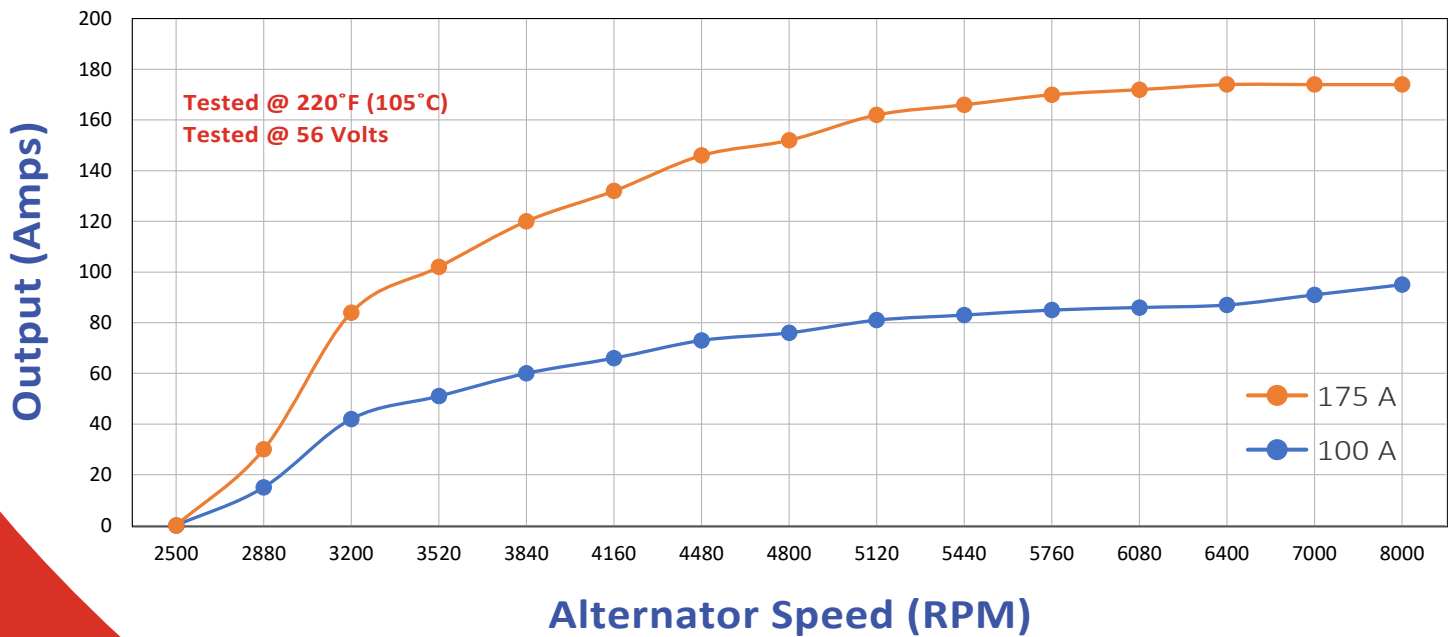


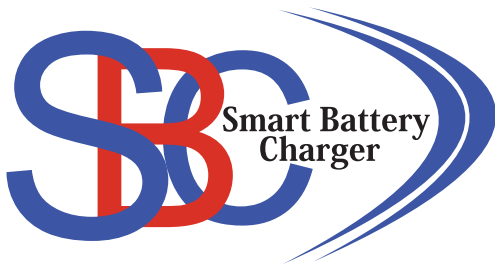
GM AD244 Series AD244/DR44

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SBC 48-Volt Series Alternators															
ALTERNATOR RPM	2500	2880	3200	3520	3840	4160	4480	4800	5120	5440	5760	6080	6400	7000	8000
100 A	0	15	42	51	60	66	73	76	81	83	85	86	87	91	95
175 A	0	30	84	102	120	132	146	152	162	166	170	172	174	174	174





GM AD244 Series AD244/DR44

SBC-GM48V-100
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TECHNICAL DATA SHEET 48-Volt SERIES *Terminals*



MID-SIZED case 96-Series alternators are designed to provide 60 or 100 amps at 48 volts. Mounting is a 4" DUAL-FOOT J-180 mount. Alternators in the 96-Series are case ground, use external regulation and have 12-pole stator output.

(B+) Positive Output Terminal:

Must be connected via properly-sized cable to the battery or batteries being charged. Cable size is determined by alternator output and length of cable run.

(B-) Auxiliary Ground Post:

Even though the alternator is case ground, this stud provides a direct connection to the negative rectifier plate, and can be used for best performance with a properly sized negative cable to the battery.

(Field) External Field Wire:

Connects to MC-620 voltage regulator via wiring harness.

Note:

Unsupported cables may damage the positive or negative terminals, resulting in damage to alternator, regulator and wiring. Ensure that cables are adequately supported to supply strain relief.