

Briggs & Stratton Alternator Chart

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ThePowerPortal.com under Customer Education.

BRIGGS & STRATTON ALTERNATOR CHART

DC only Alternator			
 581901 Since 1989 Alternator outside the flywheel 1.5 Amp DC unregulated Output @ 3600 rpm White Connector 1 Black Wire	 781743 Since 2007 0.5 Amp DC unregulated White Connector 1 Red Wire	 783640 Since 2007 1.5 Amp DC unregulated White Connector 1 Red Wire Clade 291507	 494254 Since 1988 1.5 Amp DC unregulated Red Connector 1 Black Wire
 394250 Since 1979 2 Amp DC unregulated Clade 291507 Red Connector 1 Red Wire, 1 Black Wire			
System 3 [®] / System 4 [®]			
 397880 Since 1981 Alternator outside the flywheel 2 Amp DC unregulated Output @ 3600 rpm White Connector 1 Black Wire	 695730 Since 2003 2 Amp DC unregulated Clade 291507 Red Connector 1 Red Wire	 684457 Since 1989 2 Amp DC unregulated White Connector 1 Red Wire Clade 291507	 686578 Since 1979 2 Amp DC unregulated Red Connector 1 Red Wire Clade 291507
 393808 Since 1979 2 Amp DC unregulated Clade 291507 Red Connector 1 Red Wire, 1 Black Wire			
Dual circuit Alternator			
 281595 Since 1974 Small magnets 14 Vdc AC unregulated White Connector 1 Red Wire	 688230 Since 2003 2 Amp DC regulated, 15 Amp AC 14 Vdc AC unregulated White Connector 1 Red Wire Clade 291507	 686742 Since 2003 2 Amp DC regulated, 15 Amp AC 14 Vdc AC unregulated White Connector 1 Red Wire Clade 291507	 686450 Since 2007 2 Amp DC regulated, 15 Amp AC 14 Vdc AC unregulated White Connector 1 Red Wire Clade 291507
 752118 Since 2007 2 Amp DC regulated, 15 Amp AC 14 Vdc AC unregulated White Connector 1 Red Wire Clade 291507	 755456 Since 2007 2 Amp DC regulated, 15 Amp AC 14 Vdc AC unregulated White Connector 1 Red Wire Clade 291507		
4 Amp Regulated Alternator			
 715255 Since 1994 Small magnets 4 Amp DC regulated White Connector 1 Red Wire, 1 Green Wire			
5 or 9 Amp Regulated Alternator			
 698314 Since 2002 5 or 9 Amp regulated, Tri-circuit Green Connector 1 Red Wire, 1 Green Wire Clade 291507			
5 or 9 Amp Regulated or Tri-circuit Alternator			
 698315 Since 2002 5 or 9 Amp regulated, Tri-circuit Green Connector 1 Red Wire, 1 Green Wire Clade 291507			
10 Amp Alternator			
 695466 Since 2000 Small magnets 10 Amp DC regulated Yellow Connector 2 Black Wires Clade 291507	 780320 Since 2004 10 Amp DC regulated Black Connector 2 Black Wires Clade 291507	 715194 Since 1974 Medium magnets 10 Amp DC regulated White Connector 1 Red Wire Clade 291507	 715788 Since 2001 10 Amp DC regulated No Connector 2 Black Wires Clade 291507
 715262 Since 1988 10 Amp DC regulated Yellow Connector 2 Black Wires Clade 291507			
13 Amp Power Link™ Alternator			
 697573 Since 2002 13 Amp DC regulated White Connector 2 Red Wires Clade 291507	 641088 Since 2007 13 Amp DC regulated White Connector 2 Red Wires Clade 291507	 641833 Since 2007 13 Amp DC regulated White Connector 2 Red Wires Clade 291507	 609175 Since 2007 13 Amp DC regulated White Connector 2 Red Wires Clade 291507
10, 13 and 16 A DC Regulated or Quad Circuit Alternator			
 691195 Since 2000 Small magnets 10, 13, 16 Amp DC regulated, Quad Circuit 10 Amp DC regulated Yellow Connector 2 Red Wires Clade 291507	 697573 Since 2002 13 Amp DC regulated White Connector 2 Red Wires Clade 291507	 641088 Since 2007 13 Amp DC regulated White Connector 2 Red Wires Clade 291507	 609175 Since 2007 13 Amp DC regulated White Connector 2 Red Wires Clade 291507
14 Amp Regulated Alternator			
 825004 Since 1998 Large magnets 14 Amp DC regulated White Connector 2 Red Wires Clade 291507			
20 Amp Regulated Alternator			
 691573 Since 2000 20 Amp DC regulated White Connector 2 Red Wires Clade 291507			
20 - 50 Amp Regulated/ Inverter Alternator			
 641178 Since 2004 20 - 50 Amp DC regulated 2 White Connectors 4 Yellow Wires, 1 Red Wire			
40 Amp Alternator			
 825004 Since 2002 40 Amp DC regulated White Connector 2 Red Wires Clade 291507			
60 Amp Alternator			
 825004 Since 2002 60 Amp DC regulated White Connector 2 Red Wires Clade 291507			
Flywheel / Magnets			
 For Engine Series V TWIN VANGUARD™: • SMALL: 7/8" x 11/16" (22 x 18 mm) • MEDIUM: 1 1/8" x 1 1/8" (27 x 25 mm) • LARGE: 1 3/8" x 29/32" (35 x 23 mm)			

Note : Unless specified, all tests must be carried out with the engine running at 3600 rpm.
The values indicated are minimum values. If the value measured is lower than indicated a repeat test is advised before proceeding any further.

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Alternator & Connector		Tester Settings				Tester Leads		Speed & Readings	
SYSTEM 3 & 4 also quantum 120000 1/2 amp DC			Red to 10 amp		Amps DC				2,800rpm 0.5 amps DC minimum
DC only 1.2 amp DC			Red to 10 amp		Amps DC				3,600rpm 1.0 amps DC minimum
DC only 1.5 amp DC			Red to 10 amp		Amps DC				3,600rpm 1.2 amps DC minimum
AC only 14 volts AC			Red to V		Volts AC				3,600rpm 14 volts AC minimum
DC only 2-4 amps DC			Red to 10 amp		Amps DC				3,600rpm 2 to 4 amps DC
Dual Circuit 2-4 amps DC 14 volts AC			Red to 10 amp		Amps DC				3,600rpm 2 to 4 amps DC
			Red to V		Volts AC				3,600rpm 14 volts AC minimum
Tri Circuit 28 volts AC			Red to V		Volts AC				3,600rpm 28 volts AC minimum
			Red to V		Volts AC				3,600rpm up to 5 amps for battery Refer to service & repair instructions for additional information
Regulated one output pin			Red to V		Volts AC				3,600rpm 28 volts AC minimum for 5 amp 40 volts AC minimum for 9 amp
			Red to V		Volts AC				3,600rpm Test with regulator fully wired. Output up to 5 or 9 amps according to battery state
Regulated two output pin			Red to V		Volts AC				3,600rpm 20 volts AC minimum for 10 & 13 amp 30 volts AC minimum for 16 amp
			Red to V		Volts AC				3,600rpm Test with regulator fully wired. Output up to 10/13/16 amps according to battery state
Regulated two output pins with heat sink			Red to V		Volts AC				3,600rpm 26 volt AC minimum
			Red to V		300mV				3,600rpm Test with regulator fully wired. Output up to 20 amps according to battery state