

96-Series 48V Alternators Mid-Duty Cycle, Large Frame Alternators

- 60A (2.9 kW) or 100A (4.8 kW) at 48 Volts!
- Low Turn On Thresholds
- Designed for External Regulation using the Balmar MC-620 Regulator
- Ideal for 48V Lithium Battery Banks
- SmartLink Compatible
- Maximum RPM: 12,000

New 96-Series Alternators from Balmar establish a new standard for emerging 48V battery banks and inverter systems.

Paired with the **New MC-620 Regulator**, now you can combine the advantages of Balmar's legendary multi-stage regulation capability in a 48V charging system. Offered in two power packages of 60A and 100A, these high power alternators provide 2.9 kW and 4.8 kW of charging power, respectively.

48V systems fill the need for ever-increasing power needs from DC battery systems. DC air-conditioning and cooking, for example, can stretch 12V systems beyond practical application. The benefits of a 48V system include much more efficient components, such as chargers and inverters, manageable cable sizes, and of course higher output alternators in reasonable package sizes. Lithium batteries can be charged at very high rates - a 48V system can accomplish this in a cost effective way. With a lower 2,200 RPM cut-in speed than the competition, the 96-Series makes more power at lower RPM, limiting the need for complex pulley schemes or over-throttling the engine at idle.

Contact Balmar Tech Service to learn more about the **New 96-Series Alternators!**



96-48-100-K8

96-48-60-K6



MC-620-H



MC-TS-A, MC-TS-B

Part Number ⁽¹⁾	Output		Grounding	Power Take Off	Mounting Style	Standard Pulley
	Volts	Amps				
96-48-60-K6	48V	60A	Case	Up to 8 HP	Dual Foot 4" (J-180)	K6 (2.7" Dia.)
96-48-60-K6-IG			Isolated			
96-48-100-K8		100A	Case	Up to 11 HP		K8 (2.5" Dia.)
96-48-100-K8-IG			Isolated			
Part Number	Power Input		Battery Profiles			
MC-620-H	12V		Universal, Deep Cycle Flooded, Gell Cell, AGM, Spiral Wound Flooded, Standard Flooded, Halogen, Lithium			
MC-TS-A	Alternator Temp Sensor					
MC-TS-B	Battery Temp Sensor					

(1) Balmar's 96-Series 48V Alternators are designed to be used with the MC-620 Multi-Stage Regulator. Caution: The MC-620 Regulator requires 12V to power the device, it cannot be powered from a 48V source.

Large Case Alternators Mid Duty-Cycle, Large Frame Alternators

94-Series

94LY-Series

95-Series

- Extra Heavy Duty Windings, Diodes & Brushes
- Isolated Ground Termination
- Corrosion Resistant Powder Coated Finish
- Bi-Directional Cooling Fans on 94-Series & 95-Series
- Maximum RPM: 7,000
- USCG Title 33 Ignition Protection Compliant

From world class ocean racers to commercial fishers and military patrol vessels, these large-frame alternators have a proven record for supporting large house battery banks and challenging electrical loads under some of the toughest marine conditions imaginable.

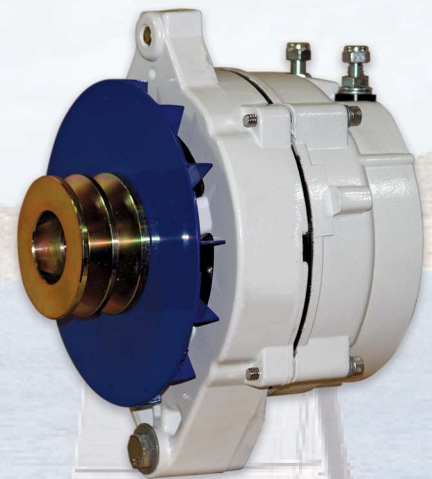
94-Series, 94LY-Series and 95-Series Alternators feature extra-large gauge custom wound stators and high amperage diode packs to ensure optimal charging performance. Built to meet USCG Title 33 ignition protection standards, 94-Series alternators deliver excellent low RPM output and terrific response throughout the power band.

All Balmar large case alternators are designed to be used with Balmar's external, Multi-Stage Regulators.

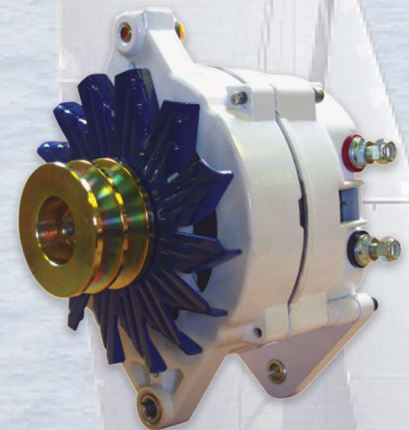
Part Number	Output		Mounting Style	Minimum Pulley
	Volts	Amps		
94-12-210-IG	12	210	Single Foot 2" (Delco-style)	1/2" Dual Vee or Serpentine ⁽¹⁾
94-24-140-IG	24	140		
94LY-12-210-IG	12	210	Dual Foot 3.15" (Hitachi-style)	
94LY-24-140-IG	24	140		
9504-12-210-IG	12	210	Dual Foot 4" (J180-style)	
9504-24-140-IG	24	140		
94LY-0050	Tensioner & Hardware Kit			

(1) All 94 & 95-Series Alternators can be outfitted with K6 or K8 Serpentine Pulleys.

(2) All 94 & 95-Series Alternators are designed to be used with Balmar Multi-Stage Regulators.



94-Series



94LY-Series



95-Series