## Smart Ready® Retrofit

## For Yanmar Engines Equipped with Valeo Alternators

Now Yanmar Owners can add Balmar Smart Regulation without Disposing of the Valeo Alternator Present on Recent Production Engines.

- Reduce the Cost of Adding Balmar by Half
- Balmar's Patented Smart Ready® Design
- Internal Regulator Provides "Come-Home" Capability
- Perfect for AGM or Lithium Battery Banks
- Kits Come with all Required Conversion Parts

Valeo Retrofit Kits	
Part Number	Kit Includes
30-SR12-02	Internal Regulator Retrofit Kit Only
ARS-5-VL-01	30-SR12-02, ARS-5-H, Temp Cables
MC-618-VL-01	30-SR12-02, MC-618-H, Temp Cables
MC-624-VL-01 <sup>(1)</sup>	Dummy Regulator, MC-624-H, Temp Cables



(1) MC-624-VL-01 (24V Version) is not Smart Ready®

## **Easy Installation:**

Required Tools: 7mm & 8mm Nut Drivers, 13mm Wrench. Kit includes Tool for Installing Brushes.



Valeo 24V PN: 129677-77250

Remove the Back Cover (2 screws) Alternator can Stay on the Engine Remove Standard Internal Regulator (3 Screws)

Internal Regulator (30-SR12-02)

(Same 3 screws)

New Cover Provided in 12 V Kit (Same 2 screws)

Installation of Balmar's Multi-Stage, Smart Regulators delivers the benefits found in shore power charging systems for your on-board, alternator-based charging system including:

- 30% Faster, More Complete Charging
- **User-Selectable Preset Battery Programs**
- **Advanced Programming Modes**
- **Over-Temperature Protection**
- Detuning Capabilities for Belt Load Management and Reducing **Alternator Wear**
- **Longer Battery and Alternator Life**
- **Less Fuel Consumption**

Optimize Your Charging System and **Experience the Balmar Difference!** 

## **Yanmar Engine Models** Equipped with a Valeo 120A/12V Alternator Model # **Serial Number** 2YM15 E05891 & after 3YM20 E11910 & after 3YM30E E20848 & after 3JH5E E12749 & after 4JH5E E14236 & after 4JH4-TE E15602 & after 4JH4-THE E24940 & after 4JH4-HTE1 E40232 & after 4JH3-DTE E35417 & after