Atlas Marine Systems is the world leader in the design of marine electrical power systems. Atlas provides electrical engineering services to define the vessel electrical distribution system and the appropriate application of its TecPOWER® series switchboards, load management and power management systems. Additionally, the Atlas ShorPOWER® product line provides the widest selection of onboard voltage regulators and frequency converters available to the yachting community.

APPLICATION:

The AutoSHORE provides voltage regulation as well as electrical isolation from the shore. The voltage provided to the yacht from the dock pedestal can vary greatly throughout the day due to the load demands of other yachts on the same quay. At peak times this change could be as much as 20% from the nominal voltage. This fluctuation in voltage can cause damage to onboard equipment such as pumps, air-conditioning compressors and electronic equipment resulting in expensive repair costs.

The AutoSHORE protects the vessel by regulating the voltage from the dock, preventing any dock fluctuations from reaching the onboard loads. The unit is fully automatic and is microprocessor controlled, continually monitoring the dock voltage. If a large fall in voltage occurs typically due to storms the system will automatically disconnect the output to protect the yacht.

STANDARD FEATURES:

- Regulated output to ± 3%
- Automatically converts low shore voltages
- GFCI shore breaker compatible
- Protection against excessive low and high shore voltages
- Built in electrical isolation
- Compact and lightweight design
- Floor or bulkhead mountable
- Microprocessor controlled
- Automatic On/off control
- Status indicators
- Stud type power connections
- Meets ABYC Guidelines E11.7 (2012 Version)
- Internal fans maintain cool case temperature
- Soft start circuit limits inrush current
### GENERAL SPECIFICATIONS

**INPUT:**
- **Low Voltage Range:** 187 to 264 Volts
- **Phase:** Single phase only
- **Frequency:** 45 to 66 Hz
- **Inrush Current:** < 50% of full load current
- **Protection:** Over/under voltage, over current, short circuit

**ENVIRONMENTAL:**
- **Temperature Range:** 0°C to +50°C
- **Humidity:** 0% to 95%, non-condensing
- **Enclosure:** NEMA 250, Type 3RX, Corrosion Resistant
- **Ingress of Water:** IP24 (Optional IP55)

*Specifications subject to change without notice*

### OUTPUT:

**Power Rating:** 12 kVA

**Voltage (specify):**
- Single-phase, 2-wire: 230, 240 volts
- Single-phase, 3-wire: 115/230, 120/240 volts, grounded neutral

**Overload:**
- 110% for 1 hour
- 150% for 1 minute
- 200% for 6 seconds

**Efficiency:** >97%

**Voltage Regulation:** ± 3%

**Phase Imbalance:** No Restriction

**Frequency:** 45 to 66 Hz

**Protection:** Over/under voltage, over load, short circuit, & over temperature

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**Weight:** 190 lbs (86 kg)