

*\*refer to product manual for proper installation requirements*

# Trident (24 - 30 kVA)

The ASEA Trident system allows two 50A shore cords to be combined to a Single 100A output. The pair of DBT12s provide three levels of boost to keep your ship powered even when input voltages sag by 30%. The paralleling box ensures that current is shared equally between the shore cords, allowing you to maximize the amount of power you can draw from even the worst shore cord conditions. The three piece system is a direct replacement for the popular and discontinued Charles PM3.

If only one shore cord is available, the 50A source will be delivered to both outputs. When the second cord is attached, the sources will combine to form a Single 100A output. If one cord fails, the unit will automatically fall back to a Single source solution. The method used to combine sources allows for sharing power between shore cords WITHOUT the danger of tripping even the most sensitive GFI equipped pedestal.



## Direct Replacement

Drop in replacement for the Charles PM3



## Intelligent Paralleling

Automatic source selection based on cord availability



## GFI Compliant

Even the most sensitive GFI equipped pedestal won't trip

POWER RANGE

8 12 15 18 20 25 30 36 45 50 55 63 75 90 100 110 125 150 165 **kVA**

COMMONLY INSTALLED ON



CRUISERS (10 to 16 meters)



YACHTS (17 to 23 meters)



SUPERYACHTS (24 to 45 meters)



MEGAYACHTS (46-65 meters)



GIGAYACHTS (66 to 90 meters)

## MORE FEATURES

- Combining of shore cord inputs to create a Single output
- Auto-Restart from shore brownout, blackout, or overload
- Shore cord leveling keeps both cords at the same current to prevent imbalance and tripping
- Fault shield for bonded, galvanic bridged/isolated ground
- Modbus (RS-485) remote diagnostics
- Reverse Phase detection and correction
- Advanced power monitoring
- Microprocessor based over and under voltage/ current protection

see specifications on following pages

# Trident (24-30 kVA)

MODEL	Trident24	Trident30*	
PART NUMBER	628008	628013	
INPUT POWER FORM	Single	Single	Single
INPUT VOLTAGE	240 V	230 V	240 V
INPUT FREQUENCY	57-70 Hz	47-53 Hz	57-70 Hz
INPUT CURRENT, CONTINUOUS	2 x 50 A	2 x 63 A	2 x 50 A
INPUT CURRENT, OVERLOAD	2 x 100 A	2 x 125 A	2 x 100 A
SHORE CORD INPUT	Dual	Dual	Dual
OUTPUT POWER RATING	24 kVA	30 kVA	24 kVA
AUTO RESTART	Standard	Standard	Standard
OUTPUT POWER FORM	Split	Split	Split
OUTPUT VOLTAGE	120/240 V	115/230 V	115/230 V
OUTPUT FREQUENCY	Same as input	Same as input	Same as input
OUTPUT CURRENT, CONTINUOUS	100 A**	125 A**	100 A**
OUTPUT CURRENT, OVERLOAD	200 A**	250 A**	200 A**
EFFICIENCY	97% @ rated load	97% @ rated load	
COOLING	Air	Air	
MOUNTING	Floor	Floor	
SERIES	Trident	Trident	
WEIGHT	58, 58, 19 kg / 127, 127, 42 lbs	N/A	
HEIGHT	30.6, 30.6, 30.7 cm / 12.0, 12.0, 12.1 in	33.1, 33.1, 30.7 cm / 13.0, 13.0, 12.1 in	
WIDTH	33.4, 33.4, 33.5 cm / 13.1, 13.1, 13.2 in	33.4, 33.4, 33.5 cm / 13.1, 13.1, 13.2 in	
DEPTH	47.4, 47.4, 42.9 cm / 18.7, 18.7, 16.9 in	49.4, 47.4, 42.9 cm / 19.4, 18.7, 16.9 in	

*\*under development*

*\*\*if shore cord inputs are in phase*

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This product can expose you to lead, a chemical which is known to the State of California to cause cancer and/or birth defects or other reproductive harm. For more information, visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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**A SEA**  
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