

**refer to product manual for proper installation requirements*

Trident (24 – 48 kVA)

The ASEA Trident system allows two 100A shore cords to be combined to a 200A output. The pair of Dock Boost Transformer 24's provide three levels of boost to keep your ship powered even when input voltages sag by 35%, and the paralleling box ensures that current is shared equally between the shore cords, which allows you to maximize the amount of power you can draw from even the worst shore cord conditions. In scenarios where the shore power is 285–530 VAC, the Trident 48 can also buck the power to the appropriate voltage. The three piece system is a direct replacement for the popular and discontinued Charles PM3 TM.

If only one shore cord is available, the 100A source will be delivered to both outputs. When the second cord is attached, the sources will combine to form a single 200A output. If one cord fails, the unit will automatically falls 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

Direct replacement for the Charles PM3



Intelligent Paralleling

Automatic source selection based on cord availability



GFI Compliant

Won't trip commonly-used GFI pedestals

POWER RANGE



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

Trident (24 – 48 kVA)

| MODEL | TRIDENT 24 | TRIDENT 30* | | TRIDENT 48 | |
|-----------------------|---|---|---------------|--|---------------|
| PART NUMBER | 628008 | 628013 | | 628015 | |
| INPUT POWER FORM | Single | Single | Single | Single | Single |
| INPUT VOLTAGE | 240V | 230V | 240V | 16–270V | 285–530V |
| INPUT FREQUENCY | 57–70Hz | 47–53Hz | 57–70Hz | 47–70Hz | 47–70Hz |
| POWER FACTOR | 2 x 50A | 2 x 63A | 2 x 50A | 2 x 100A | 2 x 100A |
| AUTO RESTART | 2 x 100A | 2 x 125A | 2 x 100A | 2 x 100A | 2 x 100A |
| SHORE CORD INPUT | Dual | Dual | Dual | Dual | Dual |
| OUTPUT POWER RATING | 24kVA | 30kVA | 24kVA | 48kVA | 48kVA |
| OUTPUT POWER FORM | Standard | Standard | Standard | Standard | Standard |
| UPGRADEABILITY | Split | Split | Split | Split | Split |
| OUTPUT VOLTAGE | 120/240V | 115/230V | 115/230V | 115/230V | 115/230V |
| OUTPUT FREQUENCY | Same as input | Same as input | Same as input | Same as input | Same as input |
| CONVERSION EFFICIENCY | 100A** | 125A** | 100A** | 200A** | 200A** |
| COOLING | 200A** | 250A** | 200A** | 200A** | 200A** |
| MOUNTING | 97% @ rated load | 97% @ rated load | | 97% @ rated load | |
| SERIES | Air | Air | | Air | |
| ENCLOSURE STYLE | Floor | Floor | | Floor | |
| LEGACY ENCLOSURE | Trident | Trident | | Trident | |
| WEIGHT | 58, 58, 19 kg / 127, 127, 42 lbs | N/A | | 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 | | 41.91, 41.91, 38.1 cm / 16.5, 16.5, 15.0 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 | | 49.91, 49.91, 45.21 cm / 19.6, 19.6, 17.8 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 | | 63.04, 63.04, 55.47 / 24.82, 24.82, 21.84 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.

