

Custom Marine Power Solutions

*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.

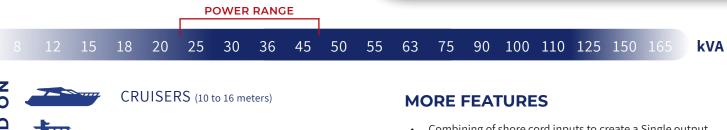
If only one shore cord is available, the 100A source will be delivered to both outputs. When the second cord is attached, the sources will combine to form a single 200A output. If one cord fails, the unit will automatically falls back to a single source solution The method used to combine sources allows for sharing power between shore cords WITHOUT the danger of tripping even the most sensitive GFI equipped pedestal.







GFI Compliant Won't trip commonly-used GFI pedestals





- 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