

**refer to product manual for proper installation requirements*

Dock Boost Transformer (12-24 kVA)

The Dock Boost Transformer (DBT) provides precision voltage regulation to the vessel, delivering complete protection from the most common shore power problems, including: brownouts, spikes, sags, and low-line or high-line voltage conditions from the dock power pedestal. The DBT also provides Three levels of boost to keep your ship powered even when input voltages sag by 35%.

The DBT features a compact and lightweight footprint. By providing an industry recognized mounting pattern, it will fit as the perfect replacement for new construction or retrofit applications.

The DBT12/15 accepts any input voltage ranging from 167 V-270 V (47-70 Hz) and provides a Split phase 120/240V or 115/230 V output nominal. The DBT24 accepts nominal voltages of 230, 400V and 480V - each with the same wide range – to provide a 115/230V Split phase output.



Compact and Lightweight

Industry recognized mounting pattern



Durable Design

Conformal printed circuit boards and steel housing



Wide Voltage Acceptance

Accepts 167 V-270 V, 400 V, and 480 V

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

- Auto-Restart from shore brownout, blackout and overload
- Fault shield for bonded, galvanic bridged/isolated ground
- Modbus (RS-485) remote diagnostics
- Advanced power monitoring (input/output parameters)
- kWh meter
- Microprocessor based over and under voltage/ current protection

see specifications on following pages

Dock Boost Transformer (12-24 kVA)

The perfect replacement for the Charles Iso-Boost™

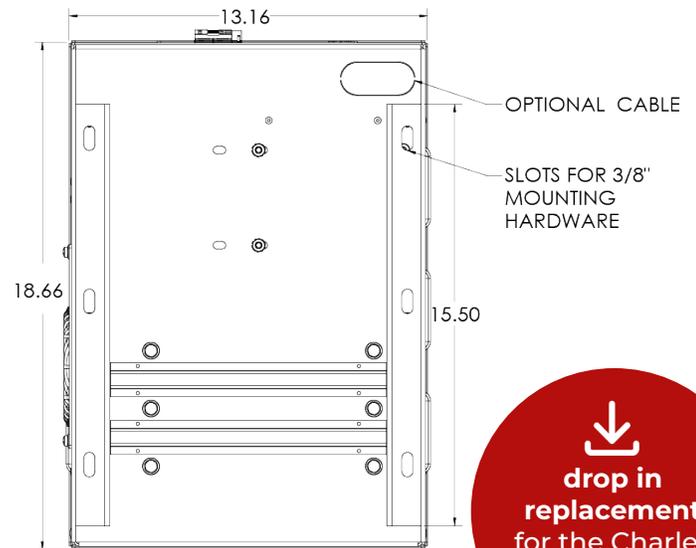
The Charles Iso-Boost™ was arguably the most popular boosting transformer in the marine industry. In late 2016, Charles refocused on telecommunications and enclosures and discontinued the Iso-Boost™. As distributors' supplies of the legacy product dwindled, few alternatives matched or surpassed the isolation transformer boat builders and end users alike had grown to know and love.

With a sizeable market hungry for a proper replacement, ASEA Power Systems set to work engineering a smart isolation transformer; their efforts resulted in the original Dock Boost Transformer (DBT12). In early 2018, ASEA launched the product to be measured up against its beloved predecessor.

The first generation DBT surpassed the Charles Iso-Boost™ with flying colors; a wider input voltage range, smaller footprint, and 46% weight decrease has made the unit not only the perfect replacement, but an undeniable upgrade. The product was installed in retrofits and new builds across the Americas and yielded an overwhelmingly positive response.

ASEA collected and reviewed voice of customer feedback to develop an expansion plan for the Dock Boost Transformer family. The extended line includes DBTs with paralleling capability, increased power levels, and compatibility with international power standards.

Along with paralleling capability, new features include a CPU board with enhanced capabilities for communications and monitoring, auto-restart after latching, data capture of shutdown events to aid troubleshooting, and an increased programmed trip limit to allow for the start of heavy duty loads such as AC units.



SPECS	DOCK BOOST TRANSFORMER		ISO-BOOST
Input Current	50 amps continuous	✓	50 amps continuous
Input Voltage	167-270VAC range	wider	208/240VAC
Output Voltage	120/240VAC	✓	120/240VAC
Power Level	12kVA	✓	12kVA
Boosting Levels	3 taps	smarter	1 tap
Frequency	50/60Hz	✓	50/60Hz
Dimensions	30 x 33 x 47 cm / 12 x 13 x 19 in	smaller	30 x 38 x 45 cm / 12 x 15 x 18 in
Weight	58 kg / 127 lbs	lighter	107 kg / 235 lbs

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Dock Boost Transformer (12-24 kVA)

MODEL	DBT12	DBT15		DBT24	
PART NUMBER	628009	628002		628004	
INPUT POWER FORM	Single	Single	Single	Single	Single
INPUT VOLTAGE	167-270	167-270	167-270	167-270, 285-530	167-270, 285-530
INPUT FREQUENCY	57-70 Hz	47-53 Hz	57-70 Hz	47-53 Hz	57-70 Hz
INPUT CURRENT, CONTINUOUS	50 A	63 A	50 A	100 A	100 A
INPUT CURRENT, OVERLOAD	125 A	156 A	125 A	250 A	250 A
SHORE CORD INPUT	Single	Single	Single	Single	Single
OUTPUT POWER RATING	12 kVA	15 kVA	12 kVA	24 kVA	24 kVA
AUTO RESTART	Standard	Standard	Standard	Standard	Standard
OUTPUT POWER FORM	Split	Split	Split	Split	Split
OUTPUT VOLTAGE	120/240 V	115/230 V	115/230 V	115/230 V	115/230 V
OUTPUT FREQUENCY	same as input	same as input	same as input	same as input	same as input
OUTPUT CURRENT, CONTINUOUS	50 A	63 A	50 A	100 A	100 A
OUTPUT CURRENT, OVERLOAD	125 A	156 A	125 A	250 A	250 A
EFFICIENCY	97% @ rated load	97% @ rated load		97% @ rated load	
COOLING	Air	Air		Air	
MOUNTING	Floor	Floor		Floor	
SERIES	DBT	DBT		DBT	
WEIGHT	58 kg / 128 lbs	75 kg / 164 lbs		194 kg / 427 lbs	
HEIGHT	30.6 cm / 12.0 in	33.1 cm / 13.0 in		41.0 cm / 16.1 in	
WIDTH	33.4 cm / 13.1 in	33.4 cm / 13.1 in		49.7 cm / 19.6 in	
DEPTH	47.4 cm / 18.7 in	47.4 cm / 18.7 in		62.7 cm / 24.7 in	

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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.

Power Systems
A/SEA
A MISSION CRITICAL ELECTRONICS BRAND