

Dock Boost Transformer (12–24 kVA)



Compact and Lightweight

Industry recognized mounting pattern



Durable Design

Conformal printed circuit boards and steel housing



Wide Voltage Acceptance

Accepts 167–270 V, 400 V, and 480 V

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 retrofit applications or new construction.

The DBT12/15 accepts any input voltage ranging from 167–270 V (DBT12: 57-70 Hz, DBT15: 47-70 Hz) and provides a Split phase 240 V or 230 V output nominal. The DBT24 accepts nominal voltages of 160-270 V plus 400 V and 480 V—each with the same wide range, to provide a 230 V Split phase output.

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)
- Microprocessor based over and under voltage/current protection
- kWh meter included

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)

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	