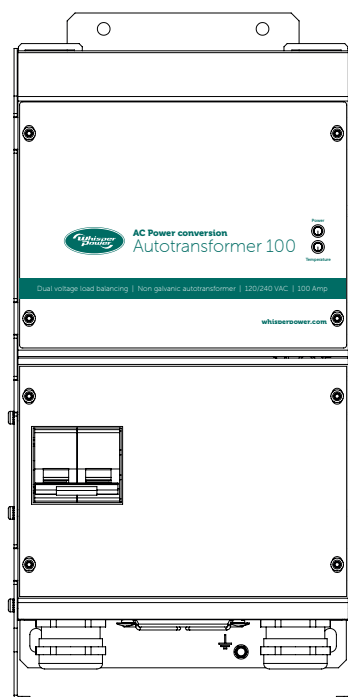
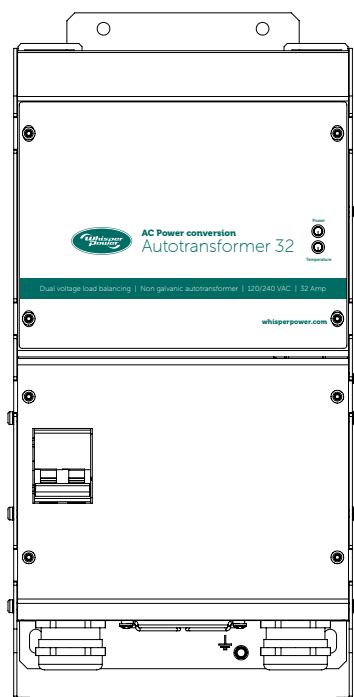




AC Power conversion

Autotransformer 32/100 A

240 V Autotransformer | 120 V / 240 V | **Phase:** Split-phase | **Hertz:** 60 Hz



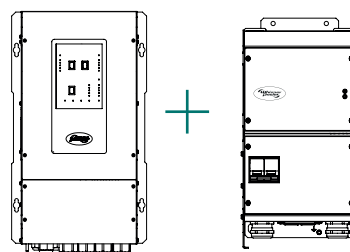
Autotransformer for split-phase

The WhisperPower Autotransformer is used when a split-phase (single phase three wire) system or a single outlet different to the generator or inverter outlet voltage is required.

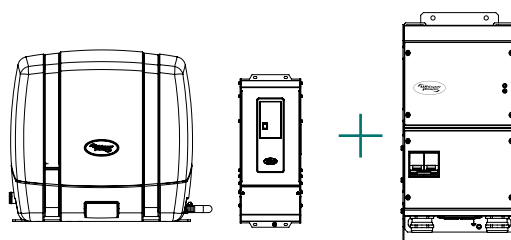
In this way a nominal output of 240 VAC may be converted to split-phase dual 120 V or single 120 V/ 60 Hz as used in USA and Canada. By using the transformer, power consumption difference on each phase is balanced to provide maximum power for each voltage outlet.

The autotransformer may be also connected in a configuration to generate 240 V or balanced split-phase from a 120 VAC input voltage.

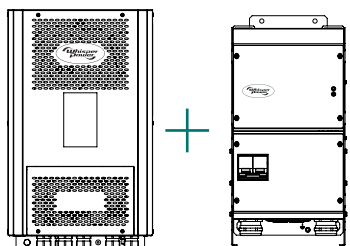
- Step-up, step-down or split-phase
- Intrinsic property of load balancing
- Low weight, low noise toroidal transformer coil
- Controlled forced air cooling only at high temperatures
- Current and temperature protection
- May be connected in parallel for doubling power rating
- Available in two pass-through 240 V currents, 32 A and 100 A



AC powerCube 24/4000 with WP Autotransformer ▶ 2* 120 V Split Phase and 240 V



Piccolo 8, 240 V generator with PMG with WP Autotransformer ▶ 2* 120 V Split Phase and 240 V



WPC 24 V/ 3500 VA/ 90 A with WP Autotransformer ▶ 2* 120 V Split Phase and 240 V



AC Power conversion

Autotransformer 32/100 A

Application Data 1

WP Autotransformer model	32 A	100 A
Article Number	61224032	61224100
Circuit breaker protection	32 A double-pole	100 A double-pole
Max. feed-through current	32 A @ 240 V	100 A @ 240 V
In/ Output voltage	120 V / 240 V	
In/ Output Frequency	60 Hz (may be used on 50 Hz)	
Max. Neutral Current	30 A continuous	
Soft-start provision	Yes	
Cooling	Temperature controlled forced air cooling	
Audible Noise	< 53 dB(A) max.	
Transformer Temperature Class	Class F (100K)	
Transformer Insulation Class	Class B (130°C)	
No-load consumption	77mA	
Voltage regulation	< 5%	
Weight	< 9 kg	
Dimensions (HxWxD)	432.3 x 213 x 128	

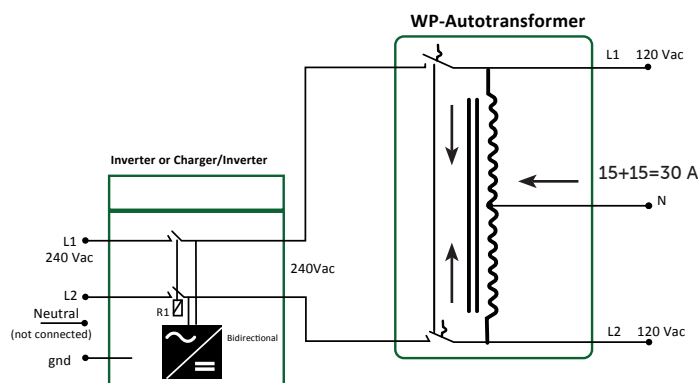
Any Inverter/ Charger-Inverter combination/ generator/ Shore connection that can be set to 240 V, 60 Hz output may be turned into a Split (or Twin) Phase system as in use for North American ship or other vehicle power distribution systems, by adding a WP-Autotransformer.

For shore-connected supply, output Neutral is at Ground level intrinsically. When an islanding system e.g. Generator or Inverter is used, output Neutral shall be earthed by strapping to Ground potential. This Neutral bonding strap shall preferentially be placed at generator or Charger/Inverter output.

Also, one 120 V Inverter may be wired across a 120 V winding to boost to a twin system; it is important to observe Neutral connections.

Note that the Inverter may consist of two stacked 120 V units of which the interconnection is not wired. Here balancing may be illustrated:

Assume two 120 V/ 15 A inverters are stacked (series-connected). Without autotransformer, maximum power of $15 \text{ A} \times 120 \text{ V} = 1800 \text{ VA}$ may be loaded on each output. By fitting the autotransformer, maximum power of 3600 VA instead of 1800 VA will be available at one 120 V output.

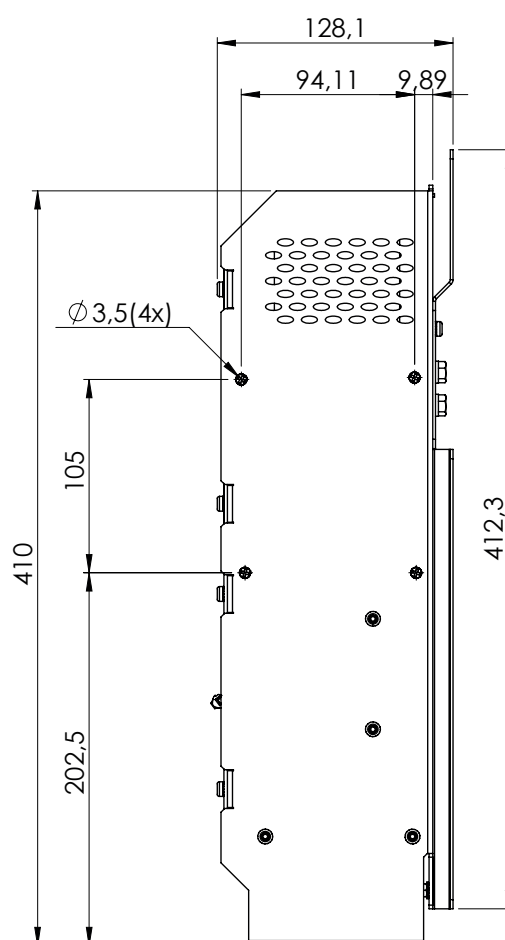
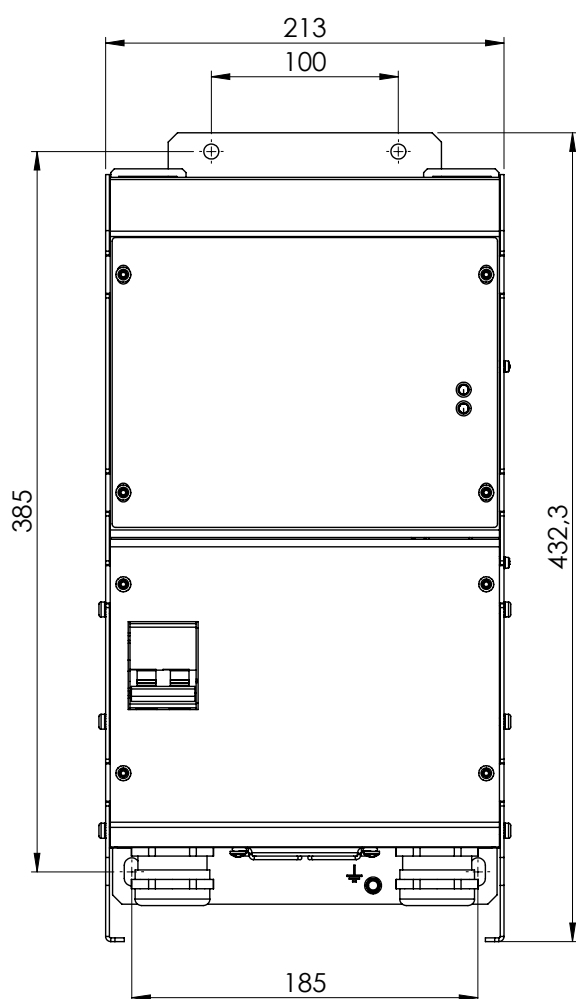
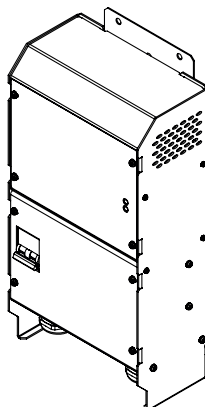




AC Power conversion

Autotransformer 32/100 A

Dimensions 32 A





AC Power conversion

Autotransformer 32/100 A

Dimensions 100 A

