



TRU 600/2000

FEATURES

- Output current regulation 1%
- Solid state design
- Powder baked wheeled cart with alloy panels
- 200mm (8in) dia. pneumatic tyres, spare wheel, cable stowage
- Ammeter, voltmeter, on/off AC and DC
- Indicator lights

OPTIONS

- Input cable 3-phase price per metre
- Cable stowage frame
- 600/2000 TRU can be supplied in a fixed case for internal/external plinth mounting

Transformer rectifier units (TRUs) delivering 600 amps continuous power – with the ability to briefly produce up to 1800 amps for engine starting – require a mains input of at least 63 amps (44Kw @ 400V) to accommodate the overload without tripping the supply circuit breaker. If there is insufficient power, upgrading the mains supply to handle the inrush current can be prohibitively expensive.

For operators requiring a mains powered TRU, Powervamp offers two models: model TRU 600/2000 and model TRU 600/1800 Combi (see separate datasheet).

The Powervamp TRU600/2000 is an advanced transformer rectifier unit delivering 28.5V at 600A continuous and 2000A peak for engine starting. Regulation is achieved using additional thyristor control BEFORE the transformer, to achieve a clean output with less ripple than traditional TRUs. It is capable of worldwide operation as standard from the factory.

It is supplied in the same compact frame as the DC power carts, making the unit highly manoeuvrable. Controls are mounted at the rear of the unit, protected by a sturdy bumper. Side panels are replaceable and an optional top-mounted frame houses the output cable.

SPECIFICATION

INPUT: Voltage	3-phase 200–480V		
Frequency	50/60Hz		
Rectification	6 pulse		
Line current	30A @ 400V		
Efficiency	90%		
OUTPUT: Voltage	28.5V (adjustable)		
Current	600A (2000A peak)		
Output voltage	21–31V		
Voltage regulation	<0.5%		
Voltage ripple	<1%		
Case	Alloy panels, steel frame		
Height	Length	Width	Weight
710mm (28in)	1060mm (42in)	720mm (28in)	220kg (485lbs)
Output cable	4-metre (13ft) double-insulated 70mm sq		

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