

ATS Three phase to single phase Power Converter

ATS Power Converters

The ATS Power Converter is ideal for three-phase in, single-phase out applications such as rail, military, commercial and medical environments, where the quality of the power supply is of critical importance.

Multiphase in single phase out

The ATS power converter will allow spreading your load over three phases, in addition due to its innovative architecture it will continue to function seamlessly even if one of the phases fails.

Mission Critical applications

If your system has more than one source of power available the ATS can also accommodate dual sources even of different phase/frequency/voltage configurations. The Power Converter technology is capable of accepting an incredibly wide range of voltage and frequency.

Constant Voltage and Frequency output

Because of its novel approach the ATS output is constant voltage and frequency without the need to resort to expensive, bulky batteries. Simply select your desired output voltage and frequency and supply the ATS with any combination of supplies available. Despite its unusually accommodating input window the ATS remains typically >90% efficient and with an extremely high MTBF (in excess of 100,000 hours)

Suitable for harsh environments

Although UPS are effective solutions they are limited to comparatively narrow tolerances on their input before reverting to battery. In addition a UPS has a high component count and a need for regular maintenance, furthermore the batteries have to be kept at a



very tight temperature band. The ATS Power Converter suffers from none of these problems operating in high ambient temperatures and with an exceptionally low component count.

Features

- ◆ Galvanic Isolation
- ◆ Perfect common/series mode noise attenuation
- ◆ Low distortion (<5%) sine wave output
- ◆ Any multiphase input single phase output
- ◆ Up to 100ms hold up time with out the need for batteries
- ◆ High MTBF

Options

- ◆ Any configuration of input including dual supply
- ◆ Frequency conversion
- ◆ Remote displays / alarms
- ◆ For sizes larger than 15kVA contact sales@aelgroup.co.uk

Model No	Power Rating	Dimensions WxDxH mm	Weight Kg
ATS 5000*	5kVA	205x635x500	25
		405x637x610	152
ATS 10000*	10kVA	205x635x500	25
		405x637x765	217
ATS 15000*	15kVA	205x635x500	25
		405x637x920	288

* suffix assigned on voltage and termination choice