



DC-POWERCONVERSION

AUTOMATIC MAINS SWITCH

The AMS-16 is an Automatic Mains Transfer Switch which has been designed to switch sensitive loads, such as computers or modern entertainment equipment from one AC source to another. The priority source is typically the mains, a generator or shore power. The alternate source is an inverter. The switching time is taking place within 16ms; so one period and the sensitive loads will continue to operate without disruption. The AMS 16 is not always suitable to supply high power household equipment like washing machines or other high inductive loads. Due to the fast switching time the AMS 16 will transfer the load to the alternate source even in case of short voltage dips (4 to 12ms) or unstable frequency. Operating the AMS 16 with a generator can therefore result in transfer of the load to the alternate source whenever a sudden load variation occurs.

Features

- Controlled switching based on fixed switching times
- Reduced power available during the switching time
- Switch from inverter to mains is taking place in the zero-crossing

SPECIFICATIONS	
Input	190-260Vac
Frequency	50Hz +/- 2Hz
Current	16A max
Transfer time	16ms max
Switch voltage from mains to inverter	<180 Vac
Switch voltage from inverter to mains	<190 Vac
Temperature	-10°C till +40°C
Dimensions	122x150x86
Weight	530 gram

