



SSFC300

SOLID-STATE FREQUENCY CONVERTER



Powering a wide range of military systems



Worldwide use



Output power 60 – 650 kVA



Advanced diagnostic system



Standardized container for lightweight transport

The **SSFC300** is a frequency converter that is intended to be used for supplying loads with electricity. It is a reliable and powerful solution for various types of military equipment loads. The unique frequency converter technology provides high power conversion efficiency and eliminates the use of two different types of primary power source. It provides 50 Hz to 60 Hz mains conversion or vice versa and protects connected equipment from overvoltage and overcurrent.

The **SSFC300** is designed to withstand temperature, vibration and shock and is suitable for deployment in the harshest military environments. The compact design allows for easy logistics during essential moves.

Technical description:

The SSFC300 inverter is a complete device consisting of multiple components that are housed in a standardized ISO-1C class container that provides easy transport to the point of use. The overall protection of the device is IP54 and the weight up to 12000kg.

The SSFC300 inverter fundamentally changes the voltage system with a frequency of 50Hz to 60Hz or vice versa with a total capacity of 300kVA. Its operation varies according to the direction of conversion or application.

The inverter is put into operation by selecting the desired direction of power flow with a switch and applying the appropriate input voltage.

The inverter contains voltmeters, circuit breakers for individual sockets, a display, controls to ensure easy operation.