

DC-DC converter SU

Highly reliable switch-mode DC-DC converter



DC-DC converter SU DF15

Highlights

- | I out: up to 50 A
- | 19" 2U / 3U size variants
- | Front side connectivity
- | Fault tolerant software
- | Galvanic isolation between source and load
- | Ultra highly reliable power supply unit
- | Wide temperature range of operation

ROBUST. SECURE. CONVENTIONAL.

SU – designed and developed for Energetic and Telecom applications.

Performance

DC-DC converter SU series has been developed to convert voltages from one DC level to another, where the output voltage is higher than the input voltage. Typical application areas for the DC-DC converters are Power- and Substations in the field of Energetic as well as supplying of 48 VDC loads in the field of Telecommunications.

Simplicity

Easily done. Setting up and controlling via 1 button beside the display.

Reliability

Tested functionality under harshest conditions. Ambient temperature - up to 80°C.

Intelligence

The DC-DC converter is equipped with microprocessor system for monitoring and control.

Monitoring and control

Communication via HTTP, SNMP. Integrated web server and IPS' global cloud monitoring.

Features

- Fan speed regulation
- Digital, light and sound signaling
- Protection against short circuit
- Temperature protection
- Battery and load protection
- Galvanic isolation between the DC voltage source and the load

Technical data

DC-DC converter SU series

Input (DC)	
Voltage	24 V ... 110 V
Output (DC)	
Voltage	48 V ... 300 V
Current, maximum	50 A
Power, maximum	3000 W
Other specifications	
Main functions and features	Converting a source of direct current (DC) from one voltage level to another, where the output voltage is higher than the input voltage Galvanic isolation between the DC voltage source and the load Fan speed regulation Digital, light and sound signaling Front installation and usage Monitoring and control of the input and output voltage, output current, temperature of the converter and other parameters
Protections	Source and load protection Protection against overload and short circuit at the output Protection against high temperature
Maximum power for 2U size variant	1000 W
Maximum power for 3U size variant	3000 W
Dimensions for 2U (WxHxD) mm	(440x88x262)
Dimensions for 3U (WxHxD) mm	(440x132x262)
Mounting option 1	Horizontal, (2U / 3U) across 19" or ETSI rack
Mounting option 2	Standalone
Operating conditions	
Ambient temperature	-40°C ... +80°C
Operating altitude	≤ 3000 m a.s.l.



DC-DC converter SU BC50, height 3U