



GAMATRONIC

Our Power, Your Confidence

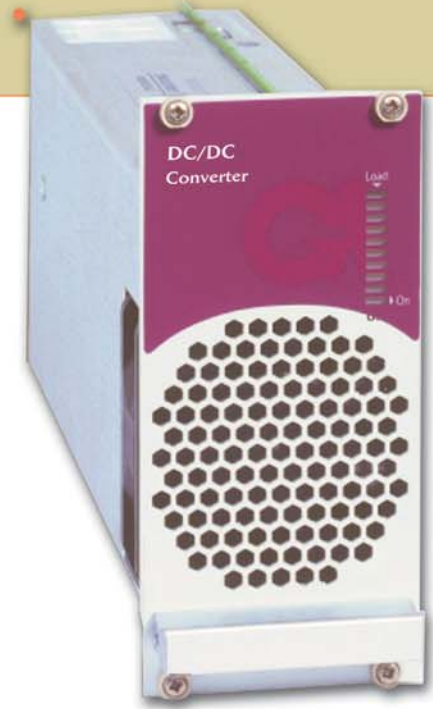
# Dc-Dc Mini-Converter Modules

The new DC/DC converter series includes flexible modules that convert unregulated 48V DC voltage to an isolated and regulated DC voltage of the following range at the output: 12V, 24V, 48V, 60V, 110V.

Modules are equipped with a parallel connection option which enables them to be connected with several similar modules to increase total power and increase reliability by redundant operation (N+1).

The modules are protected against input low/high voltage, output over-voltage, over temperature, and output overload.

A low voltage disconnect (LVD) circuit is included at the input stage to protect the battery at the input stage from being deeply discharged.



INPUT	
Voltage (nominal)*	48Vdc
Voltage Range	±20% of nominal (module dependent)
Efficiency	82-91.5% (module dependent)
Protection	Against reverse polarity connection
Low Voltage	Stops at Vin<85% of nominal voltage
Restart Operation	Automatic at Vin>120% of LVD
OUTPUT	
Voltage	12, 24, 60, 110Vdc
Power	250-500W maximum (module dependent)
Voltage Adjustment	± 5%
Voltage Regulation	± 1%
Ripple	50mVrms (48V)
Protection	Short circuit, overload, input OVP, output OVP, over-temperature, input reverse-polarity
Display	10 LED bar-graph load level display
Parallel Operation	Active current-sharing (optional) Up to 6 converters in 19" 3U height shelf
GENERAL	
Operating Temperature	-10°C ÷ +45°C
Storage Temperature	-20°C ÷ +80°C
Humidity	0-95% (non-condensing)
dimensions (WxDxH)	60 x 235 x 130mm
Weight	0.8Kg
Withstand Voltage	Input-output: 1500VDC Input-chassis: 1500VDC Output-chassis: 1500VDC
Cooling	Forced, fan speed control
Remote Control	By SC 1006/NET controller
EMC	EN55022
Safety	EN60950
Acoustic Noise	<45dBA, 1m distance, fully loaded

\* For other input voltage contact sales representative  
All specifications are subject to change without prior notice