



GAMATRONIC

Our Power, Your Confidence

Dc-Dc Converter

48/24 600W Modules

Features

- Resonant topology
- Zero current switching and frequency control that ensures a low noise level
- Converters can be connected in parallel (N+1).
- Communication with system's controller (SC2012 NET)
- Protection against short circuit
- Reverse polarity protection
- Active current sharing for parallel operation (with controller SC2012 NET)
- Hot-swap unit
- Manually adjusted or by controller (SC2012 NET)
- Wide input voltage range
- Up to 6 units in 19" shelf (Optional 7 units in 23" shelf)



CONVERTER MODULE	48 to 24V	24 to 48V
INPUT		
Voltage	48Vdc nominal (42-58Vdc)	24Vdc (21-29Vdc)
Current	15A nominal	30A nominal
No Load Current	100mA max	200mA max
OUTPUT		
Voltage	24Vdc nominal(adjustable 23-26V)	48Vdc nominal(adjustable 46-53V)
Current	25A nominal (maximum rating)	12.5A nominal (max. rating)
Ripple & Noise	Less than 30mV p-to-p, 10mVrms	Less than 60mV p-to-p, 20mVrms
Static Voltage Regulation	0.3% for 0-100% output load (load regulation) 0.1% for all input voltage range (input regulation)	
Voltage Transient Response	Less than 1 mSec by step deviation of the output load in range 10-90% and output voltage deviation 1.4V	
PROTECTIONS		
Input	Overvoltage & undervoltage, reverse polarity	
Output	Overvoltage, current limit, short circuit, internal overtemperature	
GENERAL		
Efficiency	85% typical	
Isolation	500VDC input to ground, output to ground, input to output The input & output are galvanically isolated one from the other and from ground	
Remote Control	By external controller (SC 2012 NET)	
Cooling	Forced	
Front Panel Indication LED	Green LED for normal operation, Red LED for alarm Green LED for remote mode operation	
EMC	EN55022b	
Safety	EN60950	
Dimensions (WxDxH) (mm)	71 x 420 x 226 (6U)	
Weight (Kg)	4	
Operating Temperature	5°C ÷ 45°C	

All specifications are subject to change without prior notice