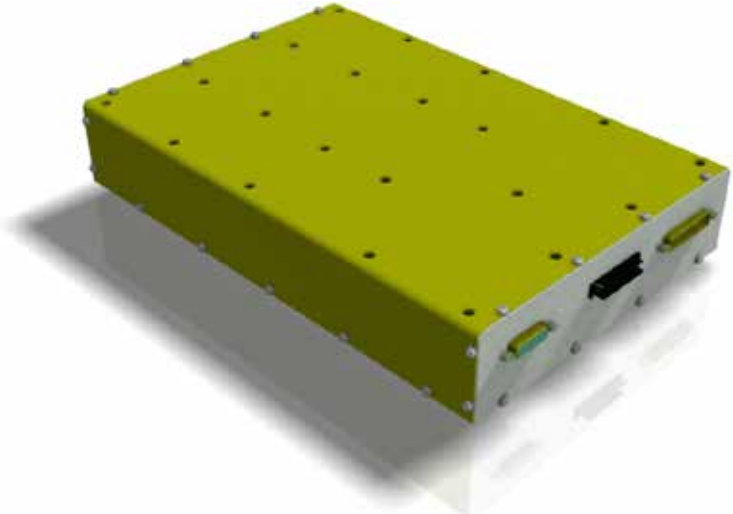


PSLB0214C DC-DC Converter

FEATURES

- 28 Vdc output from 400 Vdc input
- 15 kW average output power
- Efficiency > 95%
- Baseplate conduction cooled
- Master-less load sharing of up to 8 devices



PERFORMANCE

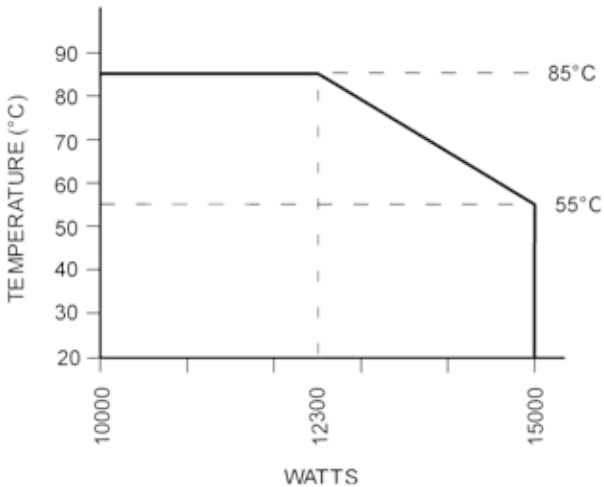
Input	400 Vdc ±5%
.....	42.3 Adc
Output	28 Vdc @ 540 Adc
Initial tolerance.....	±1%
Line/Load/Temp regulation	±1.5%
Ripple.....	<1% p-p, up to 20 MHz
Parallel Operation	
Output current share	±5%
Protection	
.....	Input Under-Voltage
.....	Output Over-Voltage
.....	Output Over-Current
.....	Over Temperature
Isolation	
Input to Output or Chassis	>10 Meg Ω @ 1000 Vdc
Output to Chassis	>10 Meg Ω @ 100 Vdc
Operating temperature,	
Baseplate, 12.3 kW load	-40 to +85°C
Baseplate, 15 kW load	-40 to +55°C
Ambient	-40 to +85°C
Communication and Data, discrete	
.....	Sync, external
.....	Load share
.....	Temperature fault
.....	Enable
.....	Pulse

DESCRIPTION

28 V output DC-DC Converter with over-voltage and over-current output protection and built-in test functions. Unit has current signal that allows load sharing for up to 8 devices, with current share within ±5% of full load for each device.

When paired with companion PSLB2223 Power Factor Corrected Converter, the DC-DC converter and PFC combination is EMI compliant with MIL-STD-461E Conductive Emissions.

This unit is fully tested and guaranteed over its operating temperature.



TEMPERATURE vs. POWER DERATING

PSLB0214C DC-DC Converter

ELECTRICAL INTERFACE

Connector number	ITT Cannon P/N or equivalent	Function(s)
J1	M24308/23-44F	System Control/Status
J2	M24308/24-44F	PFC Control/Status
Connector number	Positronic Industries P/N or equivalent	
J3	LSP5YNENY48M0B9D2	Input Power
Bus Bar	n/a	Output

MECHANICAL

Open Frame:

Dim. 10.25 x 8.25 x 2.0 inches max.

Weight 9.30 lbs. max.

Captive screws (6 each) provided for proper thermal contact pressure.

With Cover, including end plates (illustrated):

Dim. 12.84 x 8.64 x 2.34 inches max.

Weight 11.51 lbs. max.

Captive screws (21 each) provided for proper thermal contact pressure.

