

## LS300.Z (19 inch, 1U, 420W)

## PLUG-IN BACK UP DC/DC CONVERTERS

- ☒ **Nominal input voltage 48V (36-72V)**
- ☒ **Output voltage 24V/15A, 420W output power**
- ☒ **ZVS technology, parallel operation, soft start, Vout trimmer**
- ☒ **High efficiency, up to 92.5% , -30°C-+60°C**
- ☒ **Temperature controlled fan**
- ☒ **Mounting type: plug-in module**
- ☒ **Standards: Electrical safety - EN 60950, EN 55022**



The LS300.Z 48\_2414 DC/DC converter is a hot plug-in unit for LS1500 chassis. The DC/DC converter is built in most advanced ZVS technology with respect to maximum efficiency. The 1U unit provides conversion from 48VDC to 24V/15A with 420W output power. Input filter, output filter, soft start and output trim voltage are standard features for each unit.

In LS1500 power supply configuration is the converter supervised through LS1500.Z(S) BS management system unit. The fan is temperature controlled. The green LED inside informs about converter operation.

LS300.Z 48\_2415 DC/DC converters are designed as hot plug-in modules. Input and control pins are on the back. Output is on the front panel. Positioning in LS1500 chassis is free, is possible to place it to each rectifier slot.

MODEL SPECIFICATIONS	LS300.Z 48_2415 1U
Input voltage	36-72VDC
Output voltage	24V(21-27.6V)/15A
Output power	420W
Efficiency	92.5%
Dielectric strength input/output	1.5kV
Operating temperature	-30°C - +60°C
Local signaling	LED-converter OK
Parallel operation	Yes
Air flow	Controlled
Overcurrent protection	17A
Overtemperature protection	85°C
Overvoltage protection	Yes
Undervoltage protection	Yes
Mounting type:	Plug-in module
Dimensions W x H x D (mm)	89 x 45(1U) x 250
Weight (kg)	0.5kg
Degree of protection	IP20
Part No.	IP.1431.043.22