



# Highlights

- \_ Wide range power input 20-55V (68V<sub>in</sub> peak @ 2 sec.)
- \_ UPS FUNCTION with external rechargeable lead acid battery 12V/2Ah
- \_ Performance 75W
- \_ EN50155, e1
- \_ 5V/12V outputs
- \_ Reverse battery protection and overload protection

# MSMPS104B

## Description

The MICROSPACE® PCI/104 expansion card MSMPS104B has multiple power feeds. Output voltages of 5V and 12V are generated from an input voltage of 20 to 55V. As an option, a rechargeable battery can be connected to enable UPS functionality. An onboard battery charging regulator communicates with the CPU via SM bus or serial bus (RS232).

## Applications

- \_ Wide range current feed for PC/104 cards
- \_ UPS function
- \_ Vehicle power supply 24/42V nom.
- \_ Railway power supply 36/48V nom.
- \_ Battery power supply (24/48V)

## Technical data

Type	MSMPS104B
Function	Power supply, UPS option
ISA-BUS	not mounted
Protective features	Reverse polarity, Fuse, Overload
Charger regulator interface	COM/SMB interface
Controller	Load controller, monitor
V <sub>input</sub> (typ.)	24, 36, 42, 48V (20-55V)
1 <sup>st</sup> output	5V, 10Amp
2 <sup>nd</sup> output	12V, 1Amp
Power normal	75W
Power monitoring	U <sub>in</sub> , U <sub>out</sub> , Charger
Remote on/off input	optoisolated (ignition)
Operating temperature	-25°C to + 60°C
Extended operating temperature	-40°C to + 60°C
Size (W x L x H in mm)	90 x 96 x 17
Weight	120 g
Software support	UPS management
MTBF	100'000h
Load voltage range	20V-55V
Rechargeable battery	Pb, Pb-Gel
Complies to	EN50155, IEC62040-3, e1, EN60950
Part no.	806042

## Option/Accessories

Article	Description	No.
PS12BAT	12V/2Ah Pb-Akku	806044
PSCS	Cooling system with heat pipe	806046

Manufacturer:

**DIGITAL-LOGIC**  
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