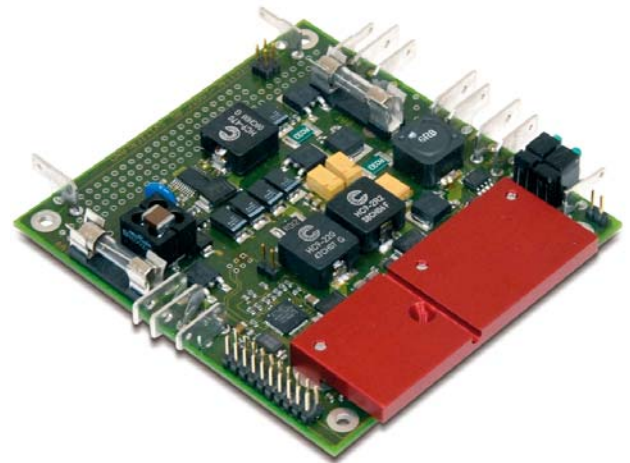




**MSMPS104B - Power Supply, 20-55VDC in, 5V 10A out, 12V 1A out, EN50155**

**Features**

- Wide range power input 20-55V, (68Vin peak @ 2 sec.)
- UPS FUNCTION with battery 12V/2Ah
- Performance 75W
- E1, EN50155
- 5V/12V outputs
- Reverse polarity protection and overload protection



**Technical Specifications**

| FEATURE                        | MSMPS104B                        |
|--------------------------------|----------------------------------|
| Part no.                       | 806042                           |
| Function                       | Power supply, UPS option         |
| ISA-BUS                        | not mounted                      |
| Protective features            | Reverse polarity, Fuse, Overload |
| Charger regulator interface    | COM/SMB interface                |
| Controller                     | Battery controller, monitor      |
| Vinput (typ.)                  | 24, 36, 42, 48V (20-55V)         |
| 1st output                     | 5V, 10Amp                        |
| 2nd output                     | 12V, 1Amp                        |
| Power normal                   | 75W, n=80%                       |
| Power monitoring               | Uin, Uout, Charger               |
| Remote on/off input            | optoisolated (ignition)          |
| Operating temperature          | -25°C to +60°C                   |
| Extended operating temperature | -40°C to +85°C*                  |
| Size (W x L x H in mm)         | 90 x 96 x 17                     |
| Weight                         | 100 g                            |
| Software support               | UPS management                   |
| MTBF                           | 100'000h                         |
| Load voltage range             | 20V-55V                          |
| Rechargeable battery           | Pb Pb-Gel                        |
| Complies to                    | EN50155, IEC62040-3, e1          |

\*reduced power to 50W

**Description**

The MSMPS104B MICROSPACE® PC104 expansion card has 5V and 12V outputs available, with an input voltage range of 20-55V. Furthermore, a rechargeable lead-acid battery can be connected which serves as a back-up power supply in case of power failure. A microcontroller provides for a monitored recharge of the battery.

**Ordering Information**

| Item Code   | Part # | Description  |
|-------------|--------|--|
| MSMPS104B   | 806042 | Power Supply, 20-55VDC in, 5V 10A out, 12V 1A out, EN50155       |
| PS12BAT     | 806044 | Rechargeable lead battery pack, 12V/2Ah (to be used w/MSMPS104B) |
| PSCS-cooler | 806046 | Heatpipe cooling solution for MSMPS104A/B                        |

Data subject to change without notice