

# UPSI-1208D

## 12 VDC / 8 A

- ✓ 12V DC UPS (DIN rail version)
- ✓ Intelligent power sharing
- ✓ Regulated output voltage
- ✓ Min. load disconnect
- ✓ Battery disconnect
- ✓ Power fail timer
- ✓ Battery start function
- ✓ External signal shutdown
- ✓ Battery hot swap
- ✓ Reboot function
- ✓ Fuel gauge

**NEW**

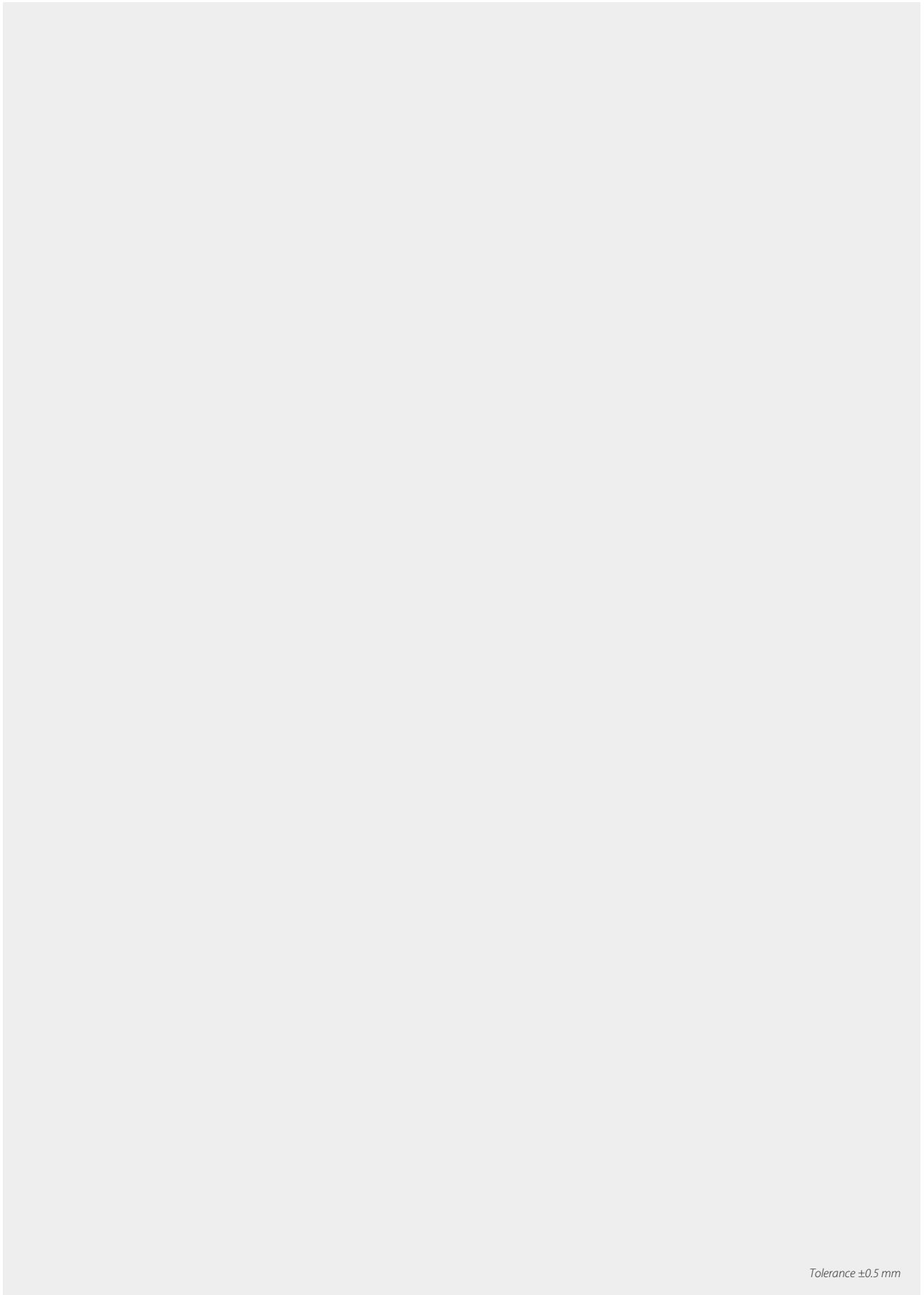
Also available as  
open frame version  
UPSI-1208



Technical data	
Input voltage	12 VDC (11.5...16 V)
Input current	9.5 A max.
Output voltage	Normal mode: $V_{in} - 0.3V$ (Full load) Backup: 12 VDC
Output current	8 A max.
Battery charge current nom.	4 A max. on input
Charging method	CC/CV/CP
Protection	Deep discharge protection Overcurrent protection Reverse polarity protection
Interface	USB, RS232, USB-HID
Type of battery	LiFePO4, Supercaps
Safety / EMC	CE
Temperature	Operating: -20...+70 °C / Storage: -20...+70 °C
Humidity	Operating: 10...85 % RH, non-condensing / Storage: 10...90 % RH, non-condensing
Dimensions (WxDxH)	36 x 100 x 120 mm ±0.5 mm
Weight (net)	0.25 kg

Product specific data	
Battery monitoring	Battery test is executed in normal mode
Shutdown detection	Via load sensor
Reboot function	Reboot function and time can be configured by software
Load sensor	Configurable via UPSI HID-Battery-Parameter software (download at <a href="http://www.bicker.de">www.bicker.de</a> ) UPS shuts down after 15 sec, if connected load decreases below set value and UPS is being in battery mode
Timer function	Configurable via UPSI HID-Battery-Parameter software in steps of single seconds (3600 sec max)
External signal shutdown	UPS can be configured to shut down on external signal (e.g. ignition) with delay set in steps of single seconds (3600 sec max)
Backup time	See datasheets of battery packs
Relay	Dry contact on power fail (Normal mode: open / Backup mode: closed) Relay switching current max 0.5 A @ 125 V AC / 1 A @ 24 VDC

### Drawing UPSI-1208D



*Tolerance ±0.5 mm*

## Battery packs for UPSI-1208D

Technology	P/N	Description	V <sub>out</sub> regulated	P <sub>out</sub>	Dimensions approx. WxDxH	Temperature (charging & backup)	Nominal backup time
LiFePO4	BP-LFP-1025D	LiFePO4, 1p3s, 2.5 Ah, 25 Wh, 9.9 V <sub>nom</sub> , 26650	12...30V	100 W	45x100x120 mm	-20...+55 °C	~ 25 min @ 50W ~ 12 min @ 100W
EDLC (Supercaps)	BP-SUC-1011D	EDLC, 1p4s 10.4 V <sub>nom</sub> , 100 F, 1100 Joule useful	12...30V	100 W	63x100x120 mm	-20...+70 °C	~20 s @ 50W ~ 8 s @ 100W
	BP-SUC-1020D	EDLC, 2p4s 10.4 V <sub>nom</sub> , 100 F, 2000 Joule useful	12...30V	100 W	63x100x120 mm	-20...+70 °C	~ 40 s @ 50W ~ 16 s @ 100W

Larger capacities on request

## P/N explanation battery packs

**BP** – **XXX** – **YYZZD**  
**Battery Pack** LFP = LiFePO4 **YY** Approx. nom. V  
SUC = Supercaps **ZZ** Capacitance (LiFePO4 in 10<sup>-1</sup> Ah) or useful energy (Supercaps in 10<sup>-1</sup> kJ)  
**D** DIN rail casing

Example:

**BP-LFP-1025D**

**BP** Battery Pack

**LFP** Storage medium: LiFePO4

**10** 9.9 V<sub>nom</sub>

**25** 2.5 Ah

**D** DIN rail casing