

# CODE: HPSG2 v.1.0/II

# NAME: Buffer switched mode power supply Grade 2



#### Features:

- compliance with norm EN50131-6:2017 in grade 1, 2 and II enviroment class
- compliance with norm EN60839-11:2013 in grade 1, 2 and II enviroment class
- supply voltage ~200 240 V
- uninterrupted voltage of DC 13,8 V or 27,6 V
  - available versions with current efficiencies 13,8 V: 2 A / 3 A / 5 A / 10 A / 20 A 27,6 V: 2 A / 3 A / 5 A / 10 A
- high efficiency (up to 89%)
- battery charging current jumper selectable
- START function of manual switch to battery power
- LED optical indication
- deep discharge battery protection (UVP)

- dynamic battery test
- battery circuit continuity control
- battery voltage control
- battery charging and maintenance control
- battery output protection against short circuit and reverse connection
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - OVP overvoltage protection
  - surge protection
  - antisabotage protection: unwanted enclosure opening
- warranty 2 years from the production date

#### Description

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The buffer power supply is designed in accordance with the requirements of the (I&HAS) EN50131-6:2017 and (KD) EN60839-11:2013 standard, grade 1, 2 and II environmental class. The power supplies units are intended for for an uninterrupted supply of I&HAS and KD devices requiring stabilized voltage of 12 or 24 V DC ( $\pm$ 15%).

#### **DISPLAYING PARAMETERS OF THE POWER SUPPLY:**

PSU's name	Output voltage	Output current max.	Output current (in standby mode for grade 2 EN50131-6, EN60839-11)	Charging current
HPSG2-12V2A-B	13,8 V	2,5 A	0,58 A	0,5 / 1 A
HPSG2-12V3A-C	13,8 V	3,5 A	1,41 A	0,5 / 1 A
HPSG2-12V5A-C	13,8 V	5 A	1,41 A	1 / 2 A
HPSG2-12V7A-C	13,8 V	7 A	1,41 A	1 / 2 A
HPSG2-12V7A-D	13,8 V	7 A	3,33 A	1 / 2 A
HPSG2-12V10A-D	13,8 V	10 A	3,33 A	1/4A
HPSG2-12V20A-E	13,8 V	20 A	5,41 A	2 / 4 / 8 A
HPSG2-24V2A-B	27,6 V	2,5 A	0,58 A	0,5 / 1 A
HPSG2-24V3A-B	27,6 V	3,5 A	0,58 A	0,5 / 1 A
HPSG2-24V3A-C	27,6 V	3,5 A	1,41 A	0,5 / 1 A
HPSG2-24V5A-C	27,6 V	5 A	1,41 A	1 / 2 A
HPSG2-24V5A-D	27,6 V	5 A	3,33 A	1 / 2 A
HPSG2-24V10A-C	27,6 V	10 A	1,41 A	1/2/4A
HPSG2-24V10A-D	27,6 V	10 A	3,33 A	1/2/4A

Total current of the receivers + battery charging current mustn't cross maximum current of power supply.

### **Power supplies HPSG2 series** Buffer switched mode power supply Grade 2



Pulsar