



PZB-12V6B

Power supply with battery charger 13.8VDC /6A, space for battery 12V/7Ah



■ Features:

- Output protections: Overload / Short circuit
- Battery protections: Battery reverse polarity / Battery cut off
 - Case protections: against sabotage
 - Cooling by free air convection
- Optical alarm signals AC OK and DC OK
- Designed to work with VRLA AGM batteries

ELECTRICAL SPECIFICATION

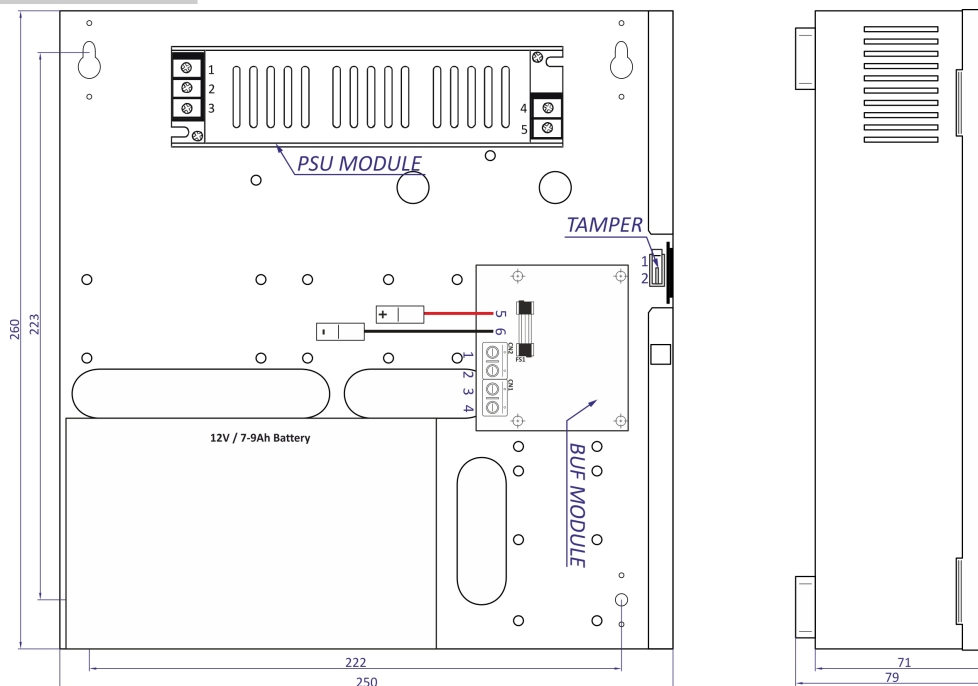
MODEL		PZB-12V6B	Rev. R1.1/R1.2
OUTPUT	Rated DC voltage – line mode	13.8V	
	Rated DC voltage – battery mode	10.5 ÷ 13.8V	
	Rated load current	6A	
	Current range	0 ÷ 6A	
	Rated power	82.2W	
	Ripple and noise (typ.)	320mV _{p-p}	
	Tolerance [2]	± 5%	
BATTERY	Space for battery	12V / 7.2 ÷ 9Ah VRLA AGM	
	Rated voltage	12V	
	Charging parameters	I _{NOM} = 0.35A, U _{BAT} = 13.8V	
INPUT (MAINS)	Voltage range	180 ÷ 264VAC	
	Efficiency (typ.)	82%	
	Input current	0.7A / 230VAC	
OUTPUT PROTECTION	Overload	Range: 105 ÷ 150% total rated power Type: Hiccup mode of power supply module. Device recovers after removal of fault conditions.	
	Short circuit	Type: Hiccup mode of power supply module and fuse FS1 blow on BUF module. Device recovers after removal of fault conditions.	
BATTERY PROTECTION	Battery reverse polarity, overload	Type: FS1 (F8A) fuse blow on BUF module, recovers after fuse replacement	
	Battery cut-off	Range: 10.5 ± 0.5V Type: relay cut-off	
INDICATORS	Mains ON	YELLOW LED: AC OK	
	Output voltage ON	GREEN LED: DC OK	
WORKING ENVIRONMENT	Surrounding Air Temperature (Operating)	-5°C ÷ +45°C	
	Operating humidity	20 ÷ 90%, non-condensing	
	Surrounding temperature and humidity (Storage)	-20°C ÷ +60°C, 10 ÷ 95% non-condensing	
SAFETY AND EMC REGULATIONS	Safety standards	Compliance with EN60950-1	
	Galvanic isolation	I-P/O-P: 1.5kVAC; I-P/GND: 1.5kVAC, O-P/GND: 0.5kVAC	
	EMC emissions	Compliance with EN 55032	
	EMC immunity	Compliance with EN 55024	
OTHERS	Dimensions [Internal / External]	250*260*70mm (W x H x D); 254*264*78mm (W x H x D)	
	Weight [net. / gr.]	1.6kg / 1.8kg	
[*]		1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Tolerance includes set up tolerance, line regulation and load regulation. 3. Power supply according to EN 61204 standard is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment must be re-qualified to comply with EMC Directives.	











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MECHANICAL SPECIFICATION



Power supply module - input			TAMPER		
Pin no.	Assignment	Description	Pin on.	Assignment	Description
1	GND	Ground	1	NO	Normally open contact
2	AC/N	Neutral AC	2	COM	Common contact
3	AC/L	Line AC			
4	V _{OUT+}	Positive output terminal			
5	V _{OUT-}	Negative output terminal			
BUF module – output and battery					
1,2	V _{OUT+}	Positive output terminal			
3,4	V _{OUT-}	Negative output terminal			
5	BAT+ (red) female connector 6.4x0.8	Battery positive terminal			
6	BAT- (black) female connector 6.4x0.8	Battery negative terminal			

LED AC OK (yellow)	LED DC OK (green)	Description	Remarks
		Normal work – AC mode	
		Battery mode, AC power failure	Possibility of AC fuse blow
		Both DC and AC power failure	Possibility of AC fuse blow or battery fuse blow
 - light off		 - light on	