

# REDUNDANT POWER SUPPLY WITH BATTERY CHARGER

## mod. RPS-1124



The RPS-1124 power supply and battery charger is a 4U 19" aluminium frame; it can host two PWS-1124 power supply modules and one BCU-1124 battery charger module. It is especially suited for use where redundant power supply is required, since each module can be hot-swapped without interrupting power output. The RPS-1124 features a connector for mains power input (VAC Line), a power connector for DC power output (VDC OUT), and a power connector for

battery connection (Battery).

The BCU-1124 module is a microprocessor-controlled battery charger; it can:

- charge 24 V lead-acid batteries up to 200 A,
- check battery charging status and end of charging,
- check for possible overloading,
- manage discharging, disconnecting battery load if the battery voltage drops below a threshold, in order to avoid damage to batteries due to excessive discharging.

The PWS-1124 module transforms the mains voltage (220 V ac) into dc voltage (30 V dc nominal).

### GENERAL FEATURES

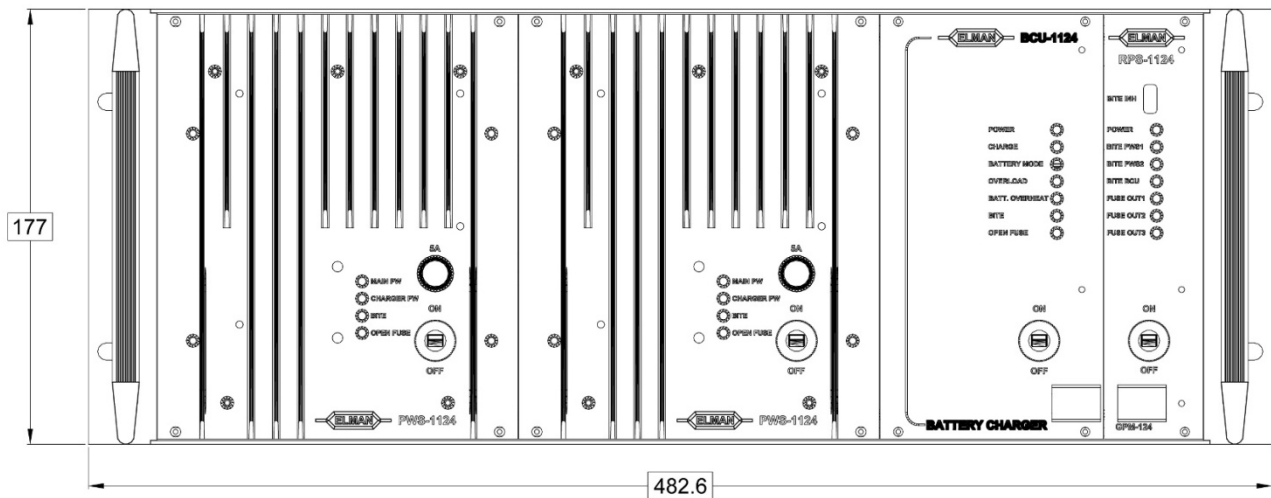
Power supply voltage:	220 Vac $\pm$ 10 %
Dimensions (w x h x d):	482.6 x 177 x 320 mm
Weight:	20 kg
Operating temperature:	- 10° $\div$ + 55° C
Storage temperature:	- 40° $\div$ + 70° C
Humidity:	95 % with T: +25° $\div$ +55° C

### PWS-1124 FEATURES

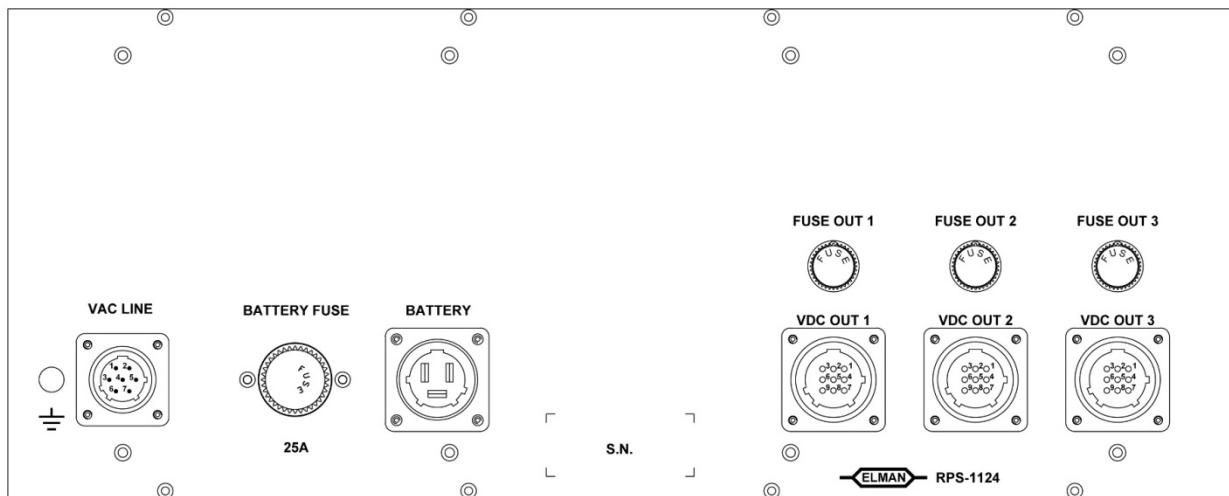
Power supply voltage:	220 Vac $\pm$ 10 %
Output voltage:	30 Vdc
Maximum output current:	20 A
Input protection:	5 A fuse
Signaling:	Power On, Open Fuse
Weight:	7 kg
Operating temperature:	- 10° $\div$ + 55° C
Storage temperature:	- 40° $\div$ + 70° C
Humidity:	95 % with T: +25° $\div$ +55° C

### BCU-1124 FEATURES

Power supply voltage:	30 Vdc
Battery charging voltage:	27.6 Vdc
Maximum charging current:	15 A
Output protection:	32 A fuse
Signaling:	Power, Charge, Battery Mode, Overload, Open fuse
Weight:	1 kg
Operating temperature:	- 10° $\div$ + 55° C
Storage temperature:	- 40° $\div$ + 70° C
Humidity:	95 % with T: +25° $\div$ +55° C



RPS-1124 POWER SUPPLY: FRONT VIEW



RPS-1124 POWER SUPPLY: REAR VIEW