

PSI10 (19 inch, 2U, 850W)

UPS

- 🔌 Input voltage 230V~50Hz
- 🔌 Output voltages DC 48V (12V, 24V), AC 230V~50Hz pure sine wave - max. 500VA
- 🔌 850W total output power
- 🔌 Remote signaling – relay contacts (failure of the converter, inverter, battery condition < 50%)
- 🔌 SNMP with WEB
- 🔌 Mounting type: 19" rack 2U (88mm)
- 🔌 Standards: Electrical safety - EN 60950-1, EMC - EN 55022



UPS PSI10 type is a backup power supply for 48V (24V) devices and also devices with AC 230V ~ 50Hz input voltage. The advantage of this solution in comparison to conventional UPS is the possibility of connecting a large battery capacity and also devices with DC supply voltage. Especially the UPS can be retrofitted with a 12V or 24V DC/DC converter up to 100W.

PSI10 are manufactured in 2 accessory sets:

- Extended – PSI10 – Basic (Equipped with local LED signalization, remote signalization (potential-free relay contacts)) + power supply management system
- SNMP – PSI10.S – Extended equipment + SNMP adapter with WEB page

PSI10 UPS is intended for mounting into 19" racks. UPS connection to the mains is via flexible cord, the inverter output via IEC plug on the back. Battery and outputs connections are via terminals on the front panel.

DC part	PSI10 2425_03	PSI10.S 2425_03 + SNMP	PSI10 2425 (1205)_03 DC/DC conv. 12V + SNMP	PSI10 4815_05	PSI10.S 4815_05 + SNMP	PSI10.S 4815(1205)_05 DC/DC conv. 12V + SNMP	PSI10.S 4815(2405)_05 DC/DC conv. 24V + SNMP
Input voltage	195-265V~50Hz	195-265V~50Hz	195-265V~50Hz	195-265V~50Hz	195-265V~50Hz	195-265V~50Hz	195-265V~50Hz
Output DC voltage	27.6V	27.6V	27.6V	55.2V	55.2V	55.2V/12V	55.2V/24V
Output DC current	25A	25A	25A	15A	15A	15A/5A	15A/5A
Output power	Max. 690W	Max. 690W	Max. 690W	Max. 850W	Max. 850W	Max. 850W	Max. 850W
Efficiency	91%	91%	91%	93%	93%	93%	93%
Insulation strength input / output	4kV	4kV	4kV	4kV	4kV	4kV	4kV
Operating temperature	-25°C - +50°C	-25°C - +50°C	-25°C - +50°C	-25°C - +50°C	-25°C - +50°C	-25°C - +50°C	-25°C - +50°C
Local signaling	LED, LCD	LED, LCD	LED, LCD	LED, LCD	LED, LCD	LED, LCD	LED, LCD
Remote signaling - Relay contacts	Mains/converter failure Voltage Vbat <21V	Mains/converter failure Voltage Vbat <21V, SNMP	Mains/converter failure Voltage Vbat <21V, SNMP	Mains/converter failure Voltage Vbat <42V	Mains/converter failure Voltage Vbat <42V, SNMP	Mains/converter failure Voltage Vbat <42V, SNMP	Mains/converter failure Voltage Vbat <42V, SNMP
Battery charge voltage	27.7V	27.7V	27.7V	55.2V	55.2V	55.2V	55.2V
Battery charge current	Max. 25A	Max. 25A	Max. 25A	Max. 15A	Max. 15A	Max. 15A	Max. 15A
Inverter							
Input voltage	21-30V=	21-30V=	21-30V=	42-60V=	42-60V=	42-60V=	42-60V=
Output voltage	230V~50Hz sine, 300VA	230V~50Hz sine, 300VA	230V~50Hz sine, 300VA	230V~50Hz sine, 500VA	230V~50Hz sine, 500VA	230V~50Hz sine, 500VA	230V~50Hz sine, 500VA
Efficiency	86%	86%	86%	88%	88%	88%	88%
Operating temperature	-25°C - +50°C	-25°C - +50°C	-25°C - +50°C	-25°C - +50°C	-25°C - +50°C	-25°C - +50°C	-25°C - +50°C
Local signaling	LED	LED	LED	LED	LED	LED	LED
Remote signaling - Relay contacts	Inverter in operation	Inverter in operation	Inverter in operation	Inverter in operation	Inverter in operation	Inverter in operation	Inverter in operation
Undervoltage protection	18V	18V	18V	36V	36V	36V	36V
Mounting type	19" 2U	19" 2U	19" 2U	19" 2U	19" 2U	19" 2U	19" 2U
Dimensions W x H x D (mm)	440x88x280	440x88x280	440x88x280	440x88x280	440x88x280	440x88x280	440x88x280
Weight (kg)	4.5kg	4.5kg	4.5kg	4.5kg	4.5kg	4.5kg	4.5kg
Degree of protection	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Part No.	IP.4132.760.03	IP.4132.760.04	IP.4133.760.08	IP.4132.760.05	IP.4132.760.06	IP.4133.760.14	IP.4133.760.15