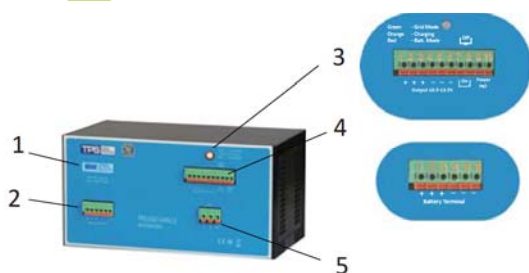




AC/DC Power integrated UPS Function



Special Features

- AC/DC UPS DIN RAIL
- Online switching AC Grid/Battery Mode
- Charging/Discharging Monitoring
- Display for Battery Capacity
- Lead-Acid, Lithium Batteries or Capacitors
- 5 Years Warranty

100 - 300 W

Unexpected AC Grid Outages, in order to avoid Data loss or Damage to Machine, TPS provides Power Supplies integrated UPS Function. When Power Off, the Power Supply automatically Switches to Battery Mode. The Switch is Online, no switching time is needed. Duration of Battery Mode depends on the Capacity of Battery and Load. A Display indicates the Capacity of the Battery.

In Battery Mode, the Output Voltage decreases with Time slowly. If deep Discharged, Protection Interrupts automatically.

If Load requires Constant Voltage, TPS also provides DC/DC with Different Output Voltage and power selected.

Lead-Acid Batteries, Lithium Batteries or Capacitors can be installed. The Premise is correct setting of Charging/Discharging Voltage according to the Type of Battery, to ensure the Battery Charging Safety and Monitoring.

Electrical Specifications

Input: 85 - 264 VAC, 50 - 60 Hz

Output
AC Grid Mode: See Table
Battery Mode: 5 - 54 VDC
Deep Discharging Protection: Yes
Charging Current: 2 A

Safety, EMC

CE compliance with Low-Voltage Directive 2014/35/EU

EMC Directive compliance with 2014/30/EU

Safety compliance with UL508, UL60950-1, EN60950-1

Environmental

Operating Temperature: -10°C - 70°C Ambient (Derating from 50°C - 70°C)

Humidity: 5 - 95 %, Non-Condensing

Storage Temperature: -25°C - 85°C

Altitude: 3000 m

MTBF demonstrated: > 350.000/h at full Load at 25°C Ambient

Terminal Discription

1. Display
 - Displays real Battery Capacity in Battery Mode
 - Displays 100 % in Grid Mode at Output \geq 26 VDC
2. Battery Block Connection
3. LED Indication
 - LED = Off, AC Off and Battery Off
 - LED = Green, AC On (7, 8 Open)
 - LED = Orange, AC On and Charging (7, 8 Closed)
 - LED = Red, AC Off and Battery On (Battery Mode, Alarm)
4. Output Terminal
 - 1, 2, 3 = DC +
 - 4, 5, 6 = DC -
 - 7, 8 = Connection for DC Output On
Disconnection for DC Output Off
 - 9, 10 = Closed for AC On
Open for AC Off
5. Input Terminal
 - L, N, PE

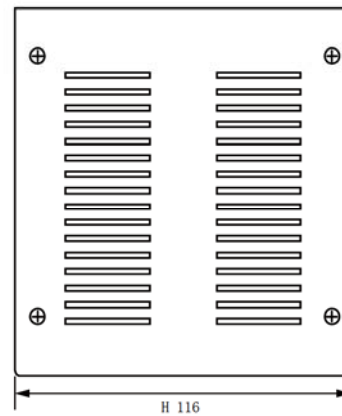
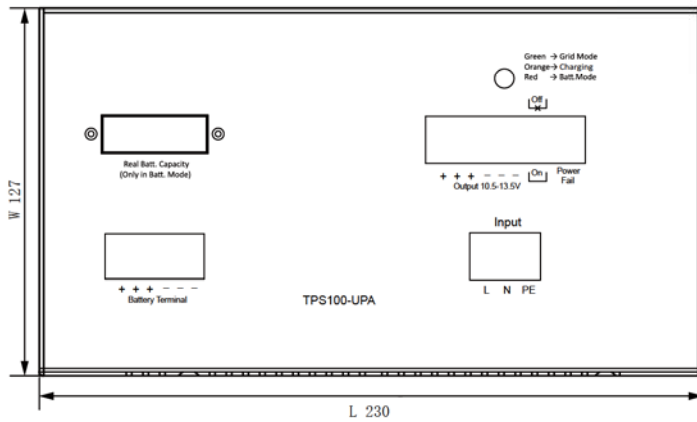
Note:

1. Standard Version is for Lead-Acid Batteries
2. The Charge Voltages are adapted for Lithium Batteries or Capacitors
3. Alarm for deep Discharge of Batteries can be customized according to Customer Requirements
4. Mounting at DIN RAIL TS 35/7.5 or TS 35/15 vertical. Other Mounting Styles are optional
5. Fixed Output Voltage can be according to Customer Requirements by DC/DC Converter

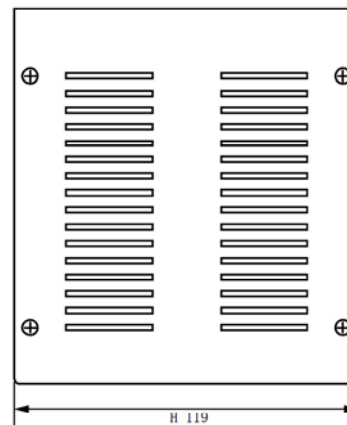
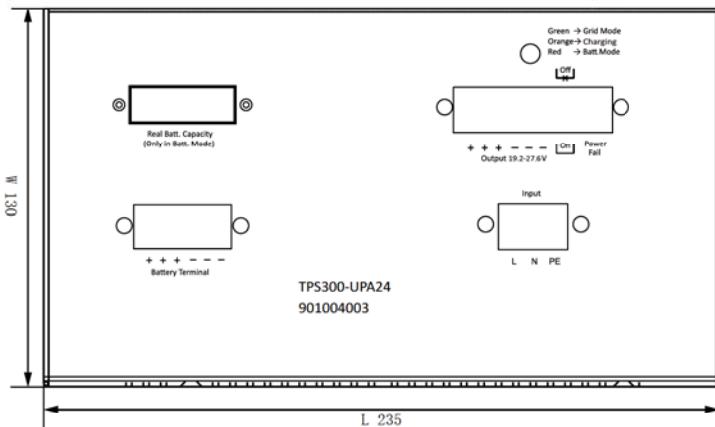


AC/DC Power integrated UPS Function

TPS100, TPS150, TPS200



TPS300



Ordering Information

Article No.	Article Name	Output Voltage (V)		Current (A)	L*W*H (mm)
		Grid Mode	Batt. Mode		
901004100	TPS100-UPA12	13.8	9.6 - 13.6	8.3	230*116*127
901004101-42064	TPS100-UPA24	27.8	19.2 - 27.6	4.2	230*116*127
901004102	TPS100-UPA48	55.6	38.4 - 55.2	2.1	230*116*127
901004200-42065	TPS150-UPA12	13.8	9.6 - 13.6	12.5	230*116*127
901004201-42066	TPS150-UPA24	27.8	19.2 - 27.6	6.5	230*116*127
901004204	TPS150-UPA48	55.6	38.4 - 55.2	3.5	230*116*127
901004300	TPS200-UPA12	13.8	9.6 - 13.6	16.5	230*116*127
901004301-42068	TPS200-UPA24	27.8	19.2 - 27.6	8	230*116*127
901004302	TPS200-UPA48	55.6	38.4 - 55.2	4	230*116*127
901004002	TPS300-UPA12	13.8	9.6 - 13.6	25	235*119*130
901004003-42070	TPS300-UPA24	27.8	19.2 - 27.6	13	235*119*130
901004006	TPS300-UPA48	55.6	38.4 - 55.2	7	235*119*130

Accessories and Packing

1 x UPS
1 x Manual



UPS Chassie for Battery



UPS Battery Unit Case

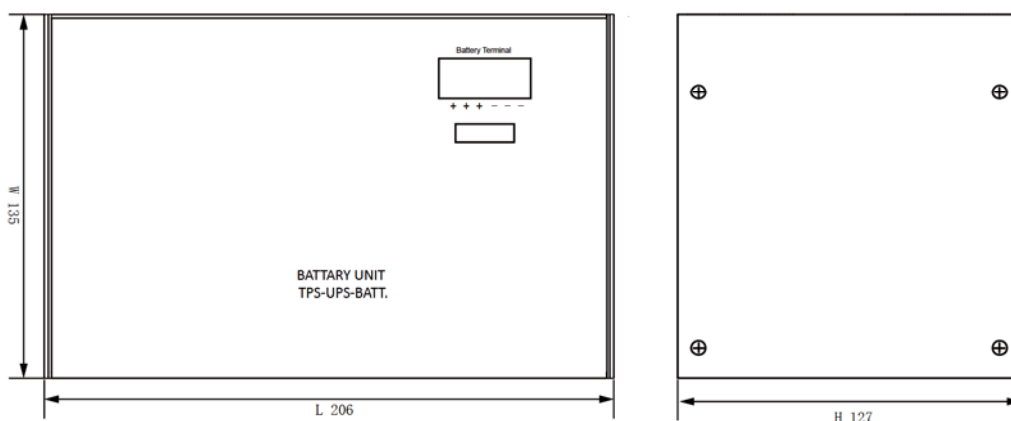
On request we deliver an empty battery case for your separate security battery. With this case, you are able to mount your battery on a horizontal DIN RAIL.

UPS Battery Unit Case composed of:

Battery Unit Case (2 parts entity), 8 pcs. counter-sunk screws black anodized M3 x 5 mm
DIN RAIL Clips (2 parts entity), 4 pcs. countersunk screws M3 x 6 mm
Track Jumper Cable with blade terminal on both sides 6.3 mm

Safety, EMC

CE compliance with Low-Voltage Directive 2014/35/EU
EMC Directive compliance with 2014/30/EU
Safety compliance with UL508, UL60950-1, EN60950-1



Environmental

Operating Temperature:	-10°C - 70°C Ambient (Derating from 50°C - 70°C)
Humidity:	5 - 95 %, Non-Condensing
Storage Temperature:	-25°C - 85°C
Altitude:	3000 m
MTBF demonstrated:	> 350.000/h at full Load at 25°C Ambient

Ordering Information

Article No.	Article Name	Innen Abmessung L*W*H (mm)	Außen Abmessung L*W*H (mm)
901004203	Battery Unit TPS-UPS-Battery Case	195*110*70	206*135*127