

TPU-8125

TPU-8245

12/24VDC 5A EXTERNAL POWER SUPPLY



TPU-8125 and TPU-8245 are 12/24VDC 5A uninterruptible power supplies with an intelligent battery charger unit are designed to use in systems which require external power supply. Both input and outputs of devices are protected against short circuit and overload. The devices allow to use both 7Ah and 12Ah batteries.

GENERAL SPECIFICATIONS

- Selectable single or dual output
- Support 7Ah and 12Ah batteries
- Dry contact relay output in case of any error
- Led indicators for fault diagnosis
- Intelligent battery charging unit with temperature compensation
- Wide input voltage range, 110 to 240 Vac
- Protection against short circuit and overload conditions
- Fully enclosed and robust construction

Technical Specifications	TPU-8125	TPU-8245
Standard	-	EN 54-4*
Supply		
Main Input	110-240Vac 50/60Hz	110-240Vac 50/60Hz
Output Voltage	10-12Vdc \pm %2	20-24Vdc \pm %2
Output Number	2	2
Output Current (S1 closed, S2 open)	Out-1: 5,0A Out-2: 0,0A	Out -1: 5,0A Out -2: 0,0A
Output Current (S1 open, S2 closed)	Out -1: 2,5A Out -2: 2,5A	Out -1: 2,5A Out -2: 2,5A
Output Fuses (F1-F2)	2x3A(non-resetable)	2x3A(non-resetable)
Battery	1x12V, 7Ah 1x12V, 12Ah	2x12V, 7Ah 2x12V, 12Ah
Deep Discharge cut-off	10Vdc	20,5Vdc
Battery Internal Resistance	>1,5 Ω	>1,5 Ω
Max Current from Battery	5A	5A
Charging Voltage	13,8Vdc @20°C (Temperature Compensated)	27,6Vdc @20°C (Temperature Compensated)
Charging Current	1A	1A
Charging Fuse (F3)	1,85A	1,85A
Imin	20mA	20mA
ImaxA	4A	4A
ImaxB	5A	5A
Outputs		
General Fault Relay	1pcs NC/NC 30V 2A	1pcs NC/NC 30V 2A
Environmental		
Operating Temperature	-10°C ~ 55°C (14°F ~ 131°F)	-10°C ~ 55°C (14°F ~ 131°F)
Relative Humidity	95% RH (max)	95% RH (max)
Mechanical		
Dimensions (mm)	268x102x300	310x102x300
Housing Material	Metal RAL7305 Texture	Metal RAL7305 Texture
Weight (except battery)	2,65kg	3,25kg
IP Class	IP30	IP30