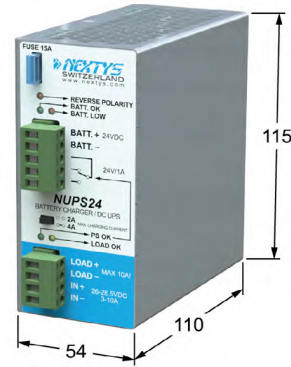


- Low cost DC-UPS with charging function of a 12 or 24Vdc battery
- Suitable for power supplies with adjustable output
- Allows to feed the load and to charge the battery simultaneously
- Built-in battery overcurrent protection fuse
- Battery deep discharge protection
- To be used with lead acid and lithium batteries (compatible with lead acid batteries)
- Instantaneous LOAD switch to BACKUP mode



For reference only



TECHNICAL DATA

	NUPS12	NUPS24
OUTPUT DATA		
Load rated voltage	12Vdc	24Vdc
Load voltage range	10...15Vdc	20...28Vdc
Charging current Limit (Settable)	2A or 4A	
Load maximal current	10A	
Battery fuse	15A / 32V - Mini blade type, user replaceable	
Battery float voltage	[Vin - 0.4V], 11Vdc min.	[Vin - 0.4V], 26Vdc min.
Deep discharge cut-off voltage	9.2Vdc ± 0.5V	18Vdc ± 0.5V
Chargeable capacity of the battery vs power supply voltage	75% @ 13Vdc	75% @ 26Vdc
	85% @ 13.5Vdc	85% @ 27Vdc
	100% @ 14Vdc	100% @ 28Vdc
"Batt. OK" LED	ON for U Batt. > 11.6Vdc ± 0.2V	ON for U Batt. > 23.5Vdc ± 0.2V
"Batt. LOW" LED	ON for U Batt. < 11.6Vdc ± 0.2V	ON for U Batt. < 23.5Vdc ± 0.2V
Protections	<ul style="list-style-type: none"> • Battery reverse connection • Battery short-circuit/overload • Battery deep discharge 	
Status signals	<ul style="list-style-type: none"> • PS OK - green LED • LOAD OK - yellow LED • BATT. OK - green LED • BATT. LOW - red LED • REVERSE POLARITY - red LED • Dry contact 24Vdc / 1A 	
INPUT DATA		
Input DC rated voltage from Power Supply	13...14.5Vdc (UL certified)	26...28.5Vdc (UL certified)
Input DC rated current	3...10A	
GENERAL DATA		
Operating temperature	- 40°C...+ 70°C (UL certified up to 60°C)	
Derating	- 0.25A/°C over 45°C	
Lifetime expectancy / MTBF	64'000h (7.3 years) at 25°C ambient full load / (MIL-HDBK-217F) 500'000h at 25°C ambient full load	
Overvoltage category	I	
Pollution degree	2 (IEC60664-1)	
Isolation against enclosure	0.75kVdc	
Standards & Approvals	UL508 (certified), EN60950 (reference), CE marking	
EMC Standards	EN61000-6-2, EN61000-6-4	
Protection degree	IP20 (EN60529)	
Connection terminals	2.5mm ² , screw type pluggable (24...12AWG)	
Case material	Aluminum	
Weight	0.3kg	
Size (W x H x D)	54 x 115 x 110mm	