

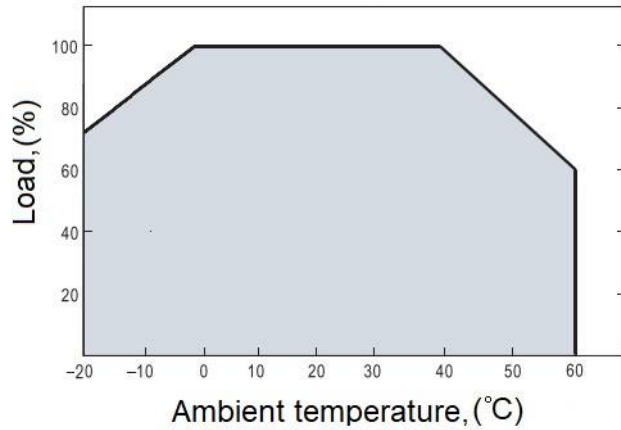

Features:

- Automatic protection: overload, short circuit, battery deep discharge
- Battery hot swapping
- Work without battery as power supply
- Absence output voltage drop-down during switch to battery and back
- LED indication for Power-ON
- Relay information outputs 'AC OK', 'BAT LOW'
- DIN-rail mounting

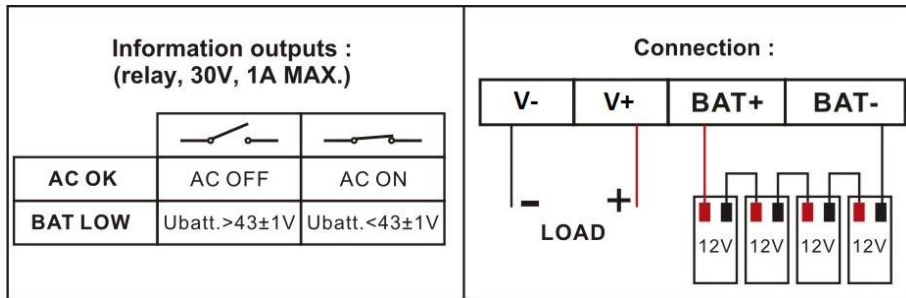
SPECIFICATION

	Model name	UPS 300W/48V/DIN
Output	DC voltage (AC mode)	55,2 V (adjust. 48-55,5 V)
	DC voltage (Battery mode)	41,0..55,2 V
	Voltage ripple and noise	≤120 mV
	Battery maximum charge voltage	55,2 V
	Battery low voltage	41±1 V
	Rated current	4,5 A
	Maximum current (AC mode)	4,6 A
	Maximum current (Battery mode)	4,7 A
	Battery charge current	1,0 A
	Battery sustaining current	20 - 100 mA (depends of battery capacity)
	Recommended battery capacity	4 x 7 Ah, 4 x 9 Ah, 4 x 17 Ah
	UPS self consumption (AC absent)	≤40 mA
	Voltage loss between battery and output	0,6 V
	Power source efficiency	≥89%
Input	AC Voltage range	90 - 130 VAC/180 - 264VAC (switch)
	No load power consumption	≤6 W
	Frequency range	47 - 63 Hz
Protection	Short circuit in load	Yes
	Overload	Yes
	Overtemperature	Yes
	Battery deep discharge	Yes
	Wrong polarity battery connection	Works only when the AC voltage is off
Indication	Green LED	'ON' - DC output voltage OK
Info outputs	Type	Relay (30V, 1A max.)
	AC present	Short - 'AC present' / Open - 'AC absent'
	Battery voltage	Short - battery voltage < 43±1 V / Open - battery voltage > 43±1 V
Safety	Withstand voltage I/P-O/P	1.5kV / 60 s / 5 mA
	Withstand voltage I/P-FG	1.5kV / 60 s / 5 mA
	Withstand voltage O/P-FG	0.5kV / 60 s / 5 mA
Others	Working temperature	-20..+60 °C (see Derating curve)
	Storage temperature	-20..+85 °C
	Dimension, mm	132x123,5x70
	Weight	0,97 kg
	Warranty period	2 years

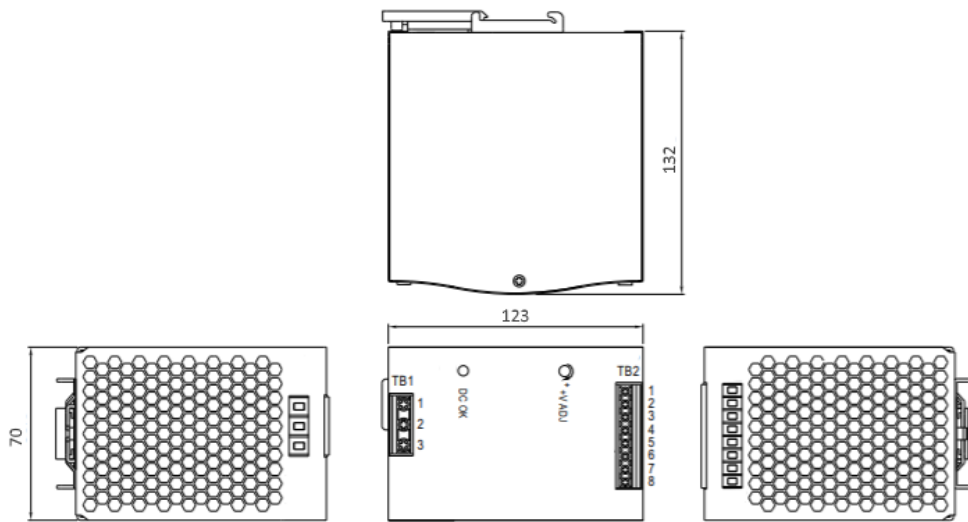
Derating curve



CONNECTION



SIZES



Terminal Pin No. Assignment (TB1)

Pin No.	Assignment
1	FG Ⓢ
2	AC/N
3	AC/L

Terminal Pin No. Assignment (TB2)

Pin No.	Assignment
1,2	BAT LOW
3,4	AC OK
5	DC OUTPUT -V
6	DC OUTPUT +V
7	BAT +V
8	BAT -V



TH Faraday Electronics Ltd.



Uninterruptible Power Supply (UPS)
UPS 300W/48V/DIN
