

Mini-UPS - EMT 75UPS - DIN Mount

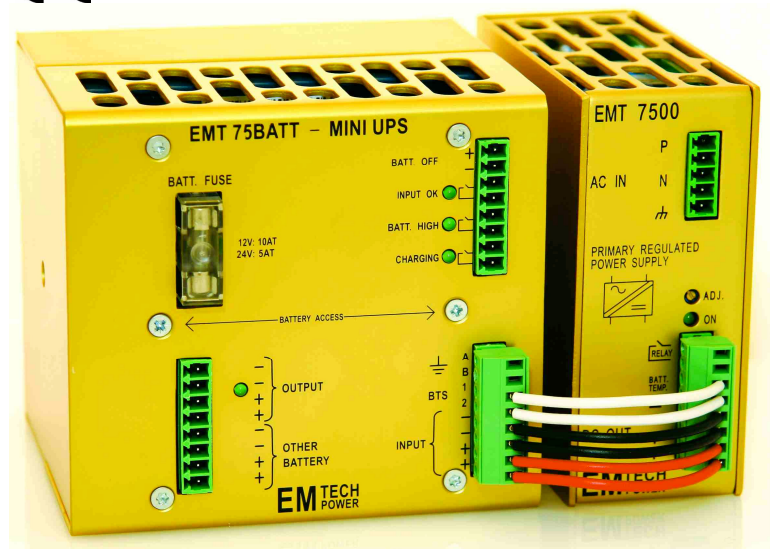
15 Min: > 50 W
30 Min: > 30 W
1 Hour: > 16 W
3 Hour: > 7 W

Switch Mode Power

*Embedded Batteries – and
Temp. Comp. Battery Charging*

Features:

- Output 12V / 6A or 24V / 3A
- Input 100V to 265V AC or DC
- Short term current supply - up to 10 A
- Small dim. 153/160 x 100 x 100 mm total
- Expansion possibility up to 150 minutes
- Includes wire-set and plugs
- Easy mount and wiring
- 3 logic outputs.
- Remote shut down control terminals
- Battery Control for max life time:
 - Charge-Current limit
 - Temp. Feedback for Battery Charging
 - Under voltage lock-out
 - Over temperature Shut down
 - Battery fusing



Description:

This Mini-UPS based on DIN-rail mount – includes both 75W Power Supply as well as the needed energy storage in form of embedded Battery.

Together with our well known EMT 7500 Series, this Battery Backup System using the latest Technology will support Backup Power for many years, supported by 3 Logic output for control and alert functions.

Energy saving Unit is based on 2 pcs 12V / 1,2A hour Lead-Acid Batteries, which will deliver up to 10A. The built-in electronics will secure a correct charge of the Batteries and secure that Power is available on terminals. This Electronics will as well support your system with logic signals so that any remote reading of the Power status can be detected. By means of free relay - contact sets can be used for any logic function.

A built-in Temp. Feed-back will, when connected to the EMT 7500 series adjust the Power Supply into Lead Acid Battery Charging with 2,3V/cell, adjusted with 3mV/°C

The EMT 75UPS Series are mounted in solid aluminium housing with dual DIN-Rail brackets, and supplied with screw terminal connectors for easy installation/service. Wire set and necessary plugs will be delivered with the Mini-UPS.

Expanded Hold-up time can be achieved through parallel connection of up to 10 Battery Units.
(Will be delivered with necessary wire-sets – for just Plug and Play)

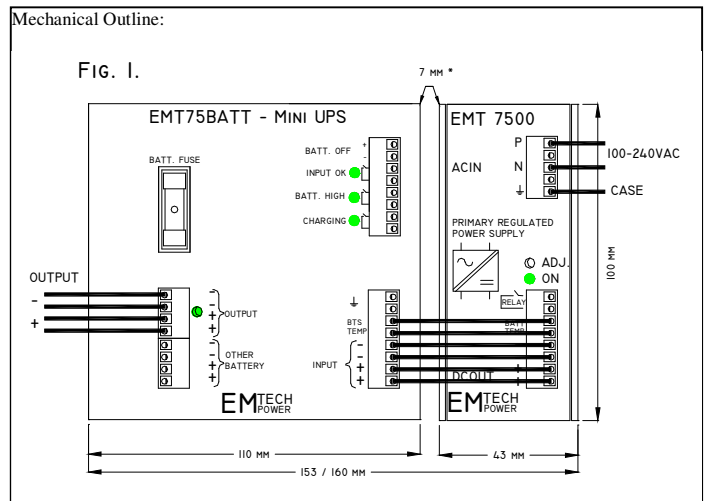
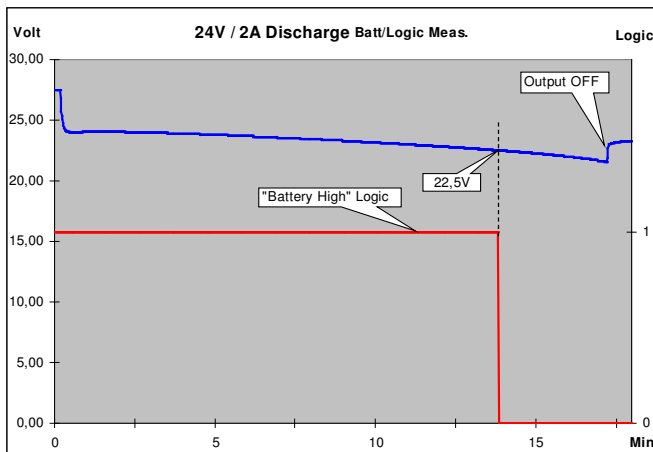
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SPECIFICATIONS FOR EMT75UPS12 & EMT75UPS24 (Specified @ 25 ° C)

GENERAL:			
INPUT VOLTAGE:	90-264 VAC/120 – 375 VDC	ISOLATION:	PRIM/SEC 3750 V
FILTER:	HIGH EFFICIENCY COMMON MODE FILTER	P/S CAPACITY:	<2,5 nF
POWER:	MAX. 110 VA	APPROVAL:	CE
EFFICIENCY:	APPR. 88 %	MTBF:	>25.000 hours
FREQUENCY:	APPR. 120 KHZ	RELAY CONTACTS:	< 10 VA @ max 120V
COOLING:	CONVECTION	TEMP. COMP.	APPR. 3,3mV/°C/CELL
TEMP. COMP.	APPR. 3,3mV/°C/CELL	SAFETY:	IEC 950 - EN 60950
INT. FUSE:	T 1,6 A – MICROFUSE	EMC:	EN 55022 curve B
PREFUSING:	Max 16A	OPERATING:	-20 to +55 ° C
INRUSH:	< 25 A	STORAGE:	-25 - +85 ° C
PROTECTION:	275 VAC VARISTOR	OUTLINE:	110 x 153/160 x 100 mm
BATTERY CHARGE:	2,3V/CELL	WEIGHT:	APPR. 2,1 Kg
BATTERY LIFE:	3 – 5 Years	PARALLEL OPR.:	Max 10

	EMT 75UPS12	EMT 75UPS24		
VOLTAGE OUT:	+ 13,8 VDC	+ 27,6 VDC	UNDER VOLTAGE LOCKOUT:	1,75 V / Cell
BATTERY MODE	10,5 – 13,0VDC	21,0 – 26,0 VDC	MAX. POWER OUT (PEAK):	125 W MAX
Max. OUTPUT CURRENT:	< 10,0 A	< 5,0 A	TYPICAL POWER OUT:	65 W MAX
CHARGE CURRENT:	< 0,8 A	< 0,4 A	LOGIC:	
CURRENT PROTECTION:	10 AT Fuse	5 AT Fuse	INPUT - OK	Relay Closed / LED ON
BATTERY CAPACITY:	>2,4 Ah	>1,2 Ah	CHARGING (>5% @C20)	Relay Closed / LED ON
UNDER VOLTAGE LOCKOUT:	10,5 VDC	21,0 VDC	BATT. HIGH (>1,9VDC / Cell)	Relay Closed / LED ON
BATTERY LOAD when OFF:	0,0002A	0,0001A	BATT. OFF (Disable)	Optocoupler < 4mA – Potential Free
BATTERY CHARGE:	2,3V/CELL	2,3V/CELL		
INT. TEMP. PROTECTION:	> 85 ° C	> 85 ° C		
HOLD-UP > 5 Hour:	< 0,4 A	< 0,2 A		
HOLD-UP > 1 Hour:	< 1,4 A	< 0,7 A		
HOLD-UP > 30 Min:	< 2,2 A	< 1,1 A		
HOLD-UP > 15 Min:	< 4,0 A	< 2,0 A		
HOLD-UP > 4 Min:	< 10 A	< 5,0 A		

NOTE: Wire-set, fuses and plugs - for connecting and start-up are included
If using as parallel units – wire sets will be a part of delivering



*) If using more than 25W -- keep 7 mm between units

AC ON:

LED Name:	LED	Contacts	Rating	Description
INPUT OK	ON	Closed	> 13,1 / 26,2 V	Unit supplied by AC
BATT. HIGH	ON	Closed	> 11,3 / 22,6 V	Battery Voltage OK (early warning)
CHARGING*	ON	Closed	> 0,08 / 0,05 A	Charging Battery > C20
OUTPUT	ON		> 10,4 / 20,9 V	Output power is active for supply of load (active)

* Charging LED will go OFF and contacts be open when Batteries are charged.

AC OFF:

LED Name:	LED	Contacts	Rating	Description
INPUT OK	OFF	Open	< 12,8 / 25,6 V	Unit AC OFF - DC INPUT goes down
BATT. HIGH	OFF	Open	< 11,3 / 22,6 V	When 15% energy left (early warning)
CHARGING	OFF	Open		No Charging when AC OFF
OUTPUT	OFF		< 10,6 / 20,9 V	Automatic internally disconnect of Load – in order not to total discharge of Battery.

LOCAL CONTACT :

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