

### DC-UPS CONTROL UNIT

- Requires Only One 12V Battery for a 24V Output
- Allows Batteries Between 17Ah and 130Ah
- Battery Charging with Temperature Tracking
- Stable Output Voltage in Buffer Mode
- Superior Battery Management for Longest Battery Life
- Comprehensive Diagnostic and Monitoring Functions
- Replace Battery Signal Included
- Electronically Overload and Short Circuit Protected
- 50% Power Reserves
- 3 Year Warranty

## 1. GENERAL DESCRIPTION

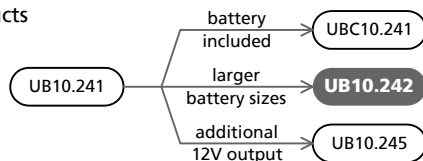
This uninterruptible power supply (UPS) controller UB10.242 is an addition to standard 24V power supplies to bridge power failures of remote or emergency systems which must be kept fully in operation for e.g. 72 hours.

The DC-UPS includes an internal temperature sensor and a professional battery management system which charges and monitors the battery to achieve the longest battery service life as well as many diagnostic functions that ensure a reliable operation of the entire system.

A unique feature of the UB10 Series is that only one 12V battery is required to buffer the 24V output. This makes matching batteries unnecessary and allows a precise battery charging and testing.

#### UB10-Series

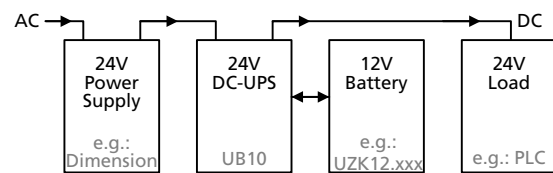
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## 2. SHORT-FORM DATA

Input voltage	nom. 24Vdc	
range	22.5-30Vdc	
Output current	min. 15A	Normal mode
	min. 10A	Buffer mode
Output voltage	typ. 0.23V lower as input voltage	Normal mode
	22.25V	Buffer mode, 10A
Allowed batteries	17Ah to 130Ah	VRLA lead acid
Temperature range	-25 to +50°C	
Dimensions	49x124x117mm	WxHxD
Buffer time (at 10A)	typ. 55 minutes	26Ah battery
	typ. 4 hours	100Ah battery

Typical setup of a DC-UPS system:



## 3. ORDER NUMBERS

DC-UPS	<b>UB10.242</b>	Controller
Accessories	<b>UZK12.261</b>	Battery module 12V 26Ah
	<b>UZ012.26</b>	Mounting kit w/o battery
	<b>ZM1.WALL</b>	Panel/Wall mount bracket

## 4. MARKINGS

