



DC-UPS CONTROL UNIT

- Requires Only One 12V Battery for a 24V Output
- 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
- Selectable Buffer Time Limiter
- 3 Year Warranty

1. GENERAL DESCRIPTION

This uninterruptible power supply (UPS) controller UB10.241 is an addition to standard 24V power supplies to bridge power failures or voltage fluctuations. Expensive downtimes, long restart cycles and loss of data can be avoided.

The DC-UPS includes 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 UB10.241 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.

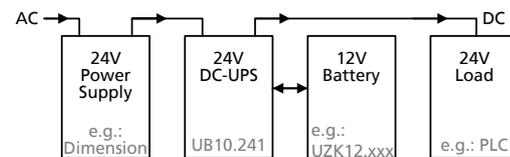
The UB10.241 requires one external 12V battery for which two preassembled battery modules are available. A lightweight 7Ah battery which can be mounted on the DIN-Rail and a 26Ah module that can be panel mounted for longer buffer times.

In addition to the UB10.241, the UBC10.241 UPS includes the same controller with an integrated 5Ah battery.

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	Normal mode
	as input voltage	
	22.25V	Buffer mode, 10A
Allowed batteries	3.9Ah to 27Ah	VRLA lead acid
Temperature range	-25 to +70°C	Operational
		+60°C to +70°C
Derating	0.43A/°C	normal mode
Dimensions	49x124x117mm	WxHxD
Buffer time (at 10A)	typ. 6'45"	7Ah battery module
	typ. 55'	26Ah batt. module

Typical setup of a DC-UPS system with the UB10.241:



3. ORDER NUMBERS

DC-UPS	UB10.241	Standard controller
Accessories	UZK12.071	Battery module 12V 7Ah
	UZ012.07	Mounting kit w/o battery
	UZK12.261	Battery module 12V 26Ah
	UZ012.26	Mounting kit w/o battery
	ZM1.WALL	Panel/Wall mount bracket

4. MARKINGS

