



### DC-UPS CONTROL UNIT

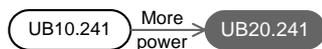
- Allows Batteries Between 3.9Ah and 130Ah
- Stable and adjustable Output Voltage in Buffer Mode
- Superior Battery Management for Longest Battery Life
- Comprehensive Diagnostic and Monitoring Functions
- Replace Battery Signal Included
- Battery Refreshing function
- Electronically Overload and Short Circuit Protected
- 3 Year Warranty

## 1. GENERAL DESCRIPTION

This uninterruptible power supply (UPS) controller UB20.241 is an addition to standard 24V power supplies to bridge power failures of voltage fluctuations. Expensive downtimes, long restart cycles and loss of data can be avoided.

The DC-UPS includes many diagnostic functions that ensure a reliable operation of the entire system. A unique feature of the UB20 Series is the constant voltage in buffer mode, which can be set to four different values. Another feature is the application of two independent battery chargers. This makes matching of batteries unnecessary and allows a precise battery charging, testing and optimized using of battery capacity to achieve the longest battery service life.

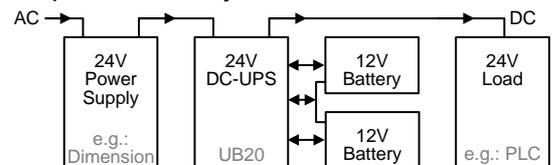
UB-Series  
Related products



## 2. SHORT-FORM DATA

Input voltage range	nom. DC 24V 23.3Vdc- 30Vdc	
Output current	max. 25A min. 20A	Normal mode Buffer mode
Output voltage	nom. DC 24V Adjustable	Normal mode Buffer mode
Allowed batteries	2 x 12V 3.9Ah - 130Ah	VRLA lead acid
Temperature range Derating	-40 °C to +70 °C 0.5A/ °C	Operational +60 °C to +70 °C
Dimensions	46x124x127mm	WxHxD
Buffer time (at 20A)	8' 5" 15'	7Ah battery module 12Ah battery module

Typical setup of a DC-UPS system:



## 3. ORDER NUMBERS

DC-UPS	<b>UB20.241</b>	Controller
Accessory	UZK24.071	Battery module 24V/7Ah passiv
	UZK24.072	Battery module 24V/7Ah intelligent
	UZK24.121	Battery module 24V/12Ah passiv
	UZK24.122	Battery module 24V/12Ah intelligent

## 4. MARKINGS



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All parameters are specified at an input voltage of 24V, 20A output load, 25°C ambient and after a 5 minutes run-in time unless otherwise noted. It is assumed that the input power source can deliver a sufficient output current.