

# Easy UPS 24V DC DIN Rail Industrial

Reliable and extendable UPS for industrial automation and controls

Help protect your investment and avoid data loss with the new 24V DC DIN rail industrial Easy UPS from Schneider Electric.

[se.com](http://se.com)

Life Is On

**Schneider**  
Electric



# Introducing the new Easy UPS: the comprehensive solution for your control cabinet

Schneider Electric Easy UPS 24V DC DIN Rail Industrial enables machine builders and system integrators to efficiently manage their automation controls equipment in case of a power event.

The new 24V DC industrial din rail mounted Schneider Electric™ Easy UPS offers reliable power protection and battery backup during any power events. Equipped with DC input/output terminals to support PLCs and HMIs while offering extended battery pack support of up to 3 additional battery packs for extended runtime during power outages.

Easy UPS comes with relay contact terminals that enables remote management of connected equipment as well as monitoring of the UPS.

Why should you consider Schneider Electric Easy UPS 24V DC DIN Rail Industrial?



Minimize downtime and help protect investment



Helps reduce machine maintenance by allowing for safe equipment shutdown during a power event and eliminating the need to reset automation machines.

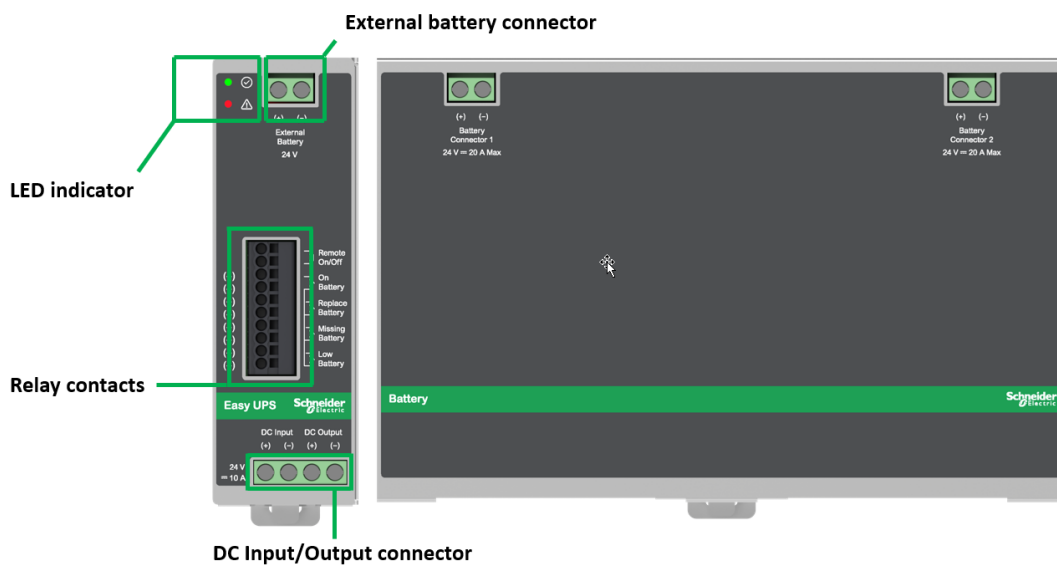


Gain better control over your industrial infrastructure with remote monitoring and management via relay contacts, external battery pack support and LED indicators.



# Key features of Easy UPS BVS-PDR series

Reliable power protection, ideal for PLCs, HMIs and Industrial PCs.



## 24 DC Input

Connect the appropriate AC/DC or DC/DC power supply for your application.

## 24 DC Output

Designed to support industrial equipment such as PLCs, HMIs, Industrial PCs that require 24V DC power supply.

## Relay Contacts

Notify UPS status on battery, replace battery, missing battery, low battery.

## Extended Battery Capability

Scale your runtime with up to 3 additional battery packs.

## Remote On/Off

Switch on/off the power supply output using an external signal switch.

## Warranty

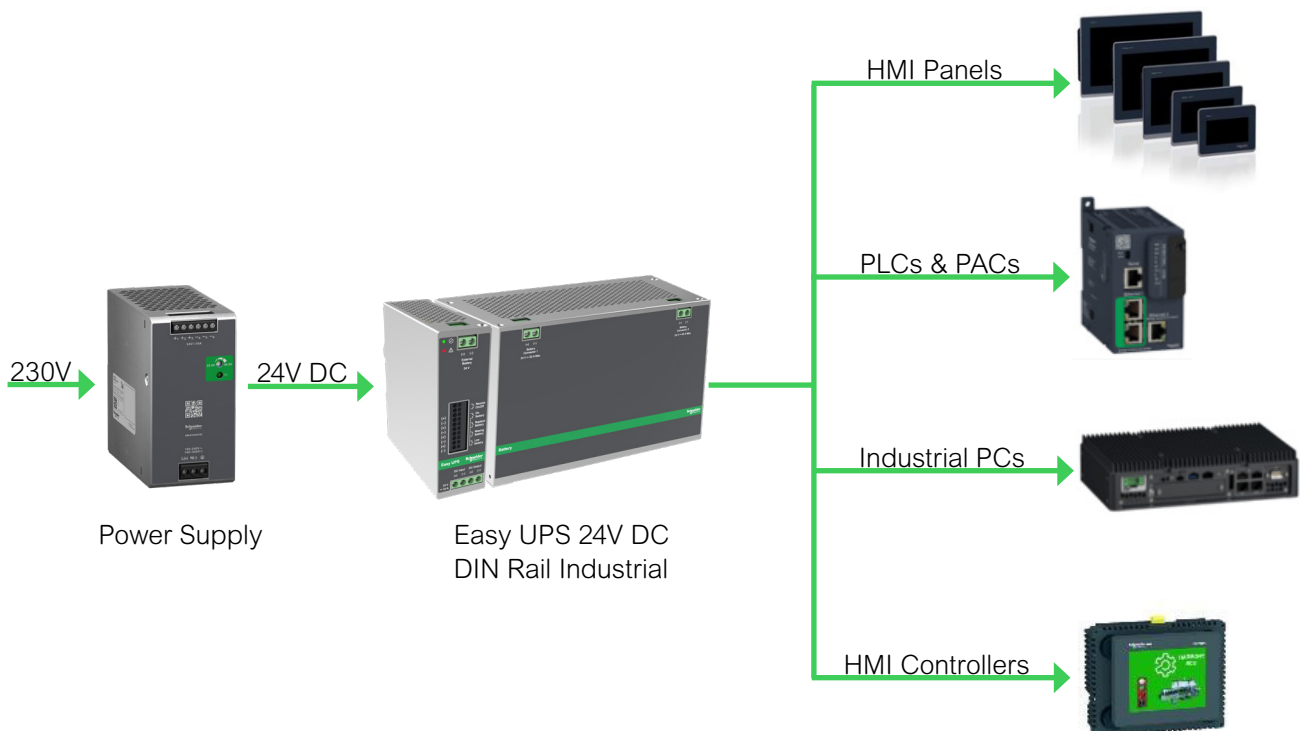
Peace of mind with a 2-year warranty on UPS and 1-year warranty on batteries.

## LED Indicators

Check UPS status using LEDs that change from green to red in case of an event.

# Get your complete control cabinet solution using Schneider Electric's industrial controls portfolio

Schneider Electric automation control solution example:



## Schneider Electric industrial controls portfolio

### PLCs

Modicon M221, 241, 251, 262  
Zelio Logic Smart Relay SR2/SR3

### PACs & Dedicated Controllers

Modicon MC80, M340, 580, X80, M172

### Industrial PCs

Harmony P6  
Harmony iPC, Edgebox

### Power Supply

Modicon ABLS  
Modicon ABL8RP/WP

### Basic HMI Panels

Harmony ST6, ST0, STU, GTO  
Magelis XBT N, R, RT

### Advanced HMI Panels

Harmony GTU, GTUX, GK  
Magelis XBT GH

### HMI Controllers

Harmony SCU  
Magelis XBT GC

# Easy UPS BVS-PDR



## SKU technical specifications

	BVS240XPDR	BVS480XPDR
<b>Output</b>		
Output power capacity	240 W	480 W
Nominal output voltage	24 VDC	
Output current	10 A	20 A
Output connections	Terminal Block_Dinkle ESK635V-04P	
Overcurrent / Short circuit protection	Yes	
Efficiency	≥ 95%	
<b>Input</b>		
Nominal input voltage	24 VDC	
Input voltage range	21.6 - 28.6 VDC	
Nominal input current	10 A	20 A
Input connections	Terminal Block_Dinkle ESK635V-04P	
<b>Batteries and runtime</b>		
External battery pack SKU	XB005XPDR	
Battery type	Sealed maintenance free valve regulated lead acid battery	
Runtime w/ 1 battery (full load / half load)	10 / 20 min	3 / 10 min
# of battery packs supported	4	
Typical recharge time (recover up to 90% capacity)	< 8 hours	
Charging current	0.75 A	
Battery capacity	2 x 12 V, 4.5 Ah	
Overcurrent / Short circuit protection	Yes	
<b>Communications and management</b>		
Display	LED	
Relay contact terminal connections	Yes (30 VDC and 1 A rated)	
Audible alarms	No	
Remote On/Off	Yes	
<b>Physical</b>		
Mount type	DIN rail	
Dimensions H x W x D (mm) (power module)	119 x 40 x 129	
Net weight (power module)	0.5 kg (1.1 lbs.)	
Dimension H x W x D (mm) (battery pack)	119 x 192.4 x 129	
Net weight (battery pack)	4.8 kg (10.6 lbs.)	
<b>Environmental</b>		
Operating environment	5 – 122 °F (-15 – 50 °C)	
Operating relative humidity	0 – 95% non-condensing	
Operating elevation	0-10000 feet (0-3000 meters)	
Audible noise at 1 meter from surface of unit	< 40 dB	
<b>Regulatory</b>		
Safety	IEC/EN/BS/UL 62368-1, CSA-C22.2 No. 62368-1, IEC/EN 60950-1, UL 508, CSA C22.2 No. 14, IEC/EN 61010-1	
EMC / EMI / RFI	EN 55032, EN55035, EN IEC 61000-6-2, EN IEC 61000-6-4, EN IEC 61204-3, FCC 47 CFR Part 15, Subpart B & ICES-003 Issue 7	
Markings	CE, UKCA, cTUVus	
<b>Conformance</b>		
RoHS, REACH and WEEE	Yes	
Standard warranty	2-year on UPS and 1-year on battery	

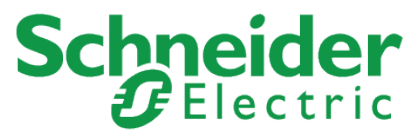
# Easy UPS BVS-PDR Runtime Table

No. of battery modules	BVS240XDPDR (Max 10 A / 240 W)										
	BVS480XDPDR (Max 20 A / 480 W)										
	1 A	2 A	3 A	4 A	5 A	6 A	7 A	8 A	10 A	15 A	20 A
(1) XB005XPDR	3 hrs.	1 hr.	40 mins	30 mins	20 mins	15 mins	10 mins	10 mins	10 mins	5 mins	3 mins
(2) XB005XPDR	5 hrs.	3 hrs.	2 hrs.	1 hr.	1 hr.	40 mins	40 mins	30 mins	30 mins	10 mins	9 mins
(3) XB005XPDR	-	5 hrs.	3 hrs.	2 hrs.	-	2 hrs.	1 hr.	50 mins	50 mins	20 mins	15 mins
(4) XB005XPDR	-	-	5 hrs.	3 hrs.	2 hrs.	-	-	1 hr.	1 hr.	30 mins	20 mins

## Note:

- Runtime in the table are approximate only.
- All measurements taken with new and fully charged batteries at ideal environmental conditions with no electrical input.
- Power modules do not come with internal batteries
- To extend battery life, the recommended operating temperature should be in the range of 15 to 25 °C.

Life Is On



Learn more today!

[se.com](https://www.se.com)

**Schneider Electric**

One Boston Place  
Floor 27  
Boston, MA 02108  
United States  
[www.se.com](https://www.se.com)

