Industrial UPS - 24V DC DIN Rail

Reliable and extendable UPS for industrial automation and controls

Protect your investment and avoid data loss with the new 24V DC DIN rail Industrial UPS from Schneider Electric.

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Introducing the new Industrial UPS: the comprehensive solution for your control cabinet

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

The new 24V DC din rail mounted Schneider Electric™ Industrial UPS offers reliable surge 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 4 additional batteries for extended runtime during power outages.

Industrial 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 Industrial UPS?

Minimize downtime and help protect equipment against lightning, surges and spikes.

Helps reduce machine maintenance by allowing for safe equipment shutdown during a power event and eliminating the need to reset automation machines.
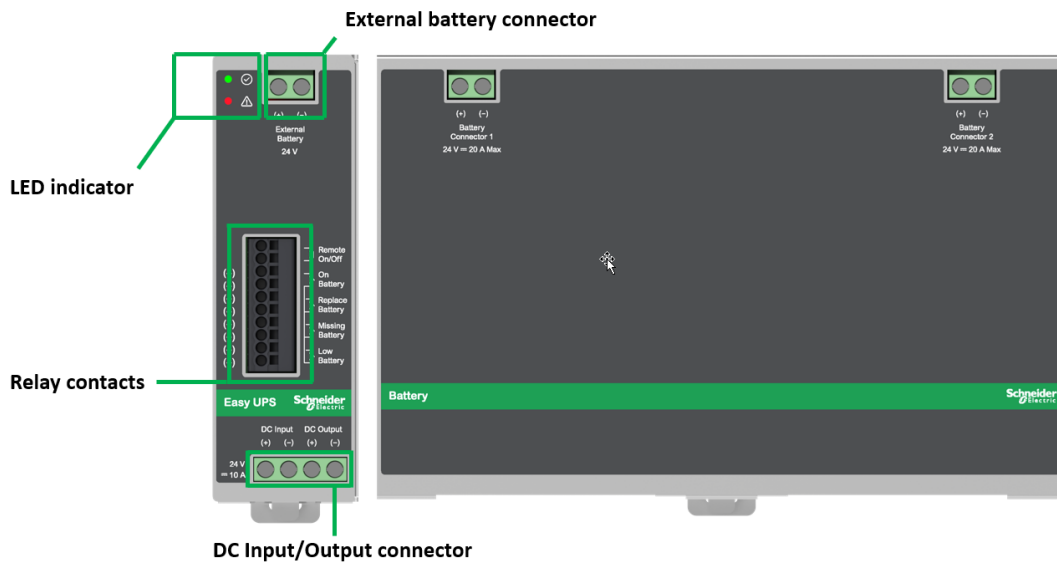
Gain better control over your industrial infrastructure with remote monitoring and management via relay contacts, external battery pack support and LED indicators.

Key features of Industrial UPS BVS-PDR series

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

External battery connector

LED indicator

Relay contacts

DC Input/Output connector

24 DC Input

Connect the appropriate AC/DC or DC/DCpower 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

Shutdown and manage connected equipment, manage UPS with the 0-5V signals.

Extended Battery Capability

Scale your runtime with up to 4 additional battery packs.

Reliable Surge Protection

Protect your critical connected equipment against damanging lightning, surges and spikes.

Emergency Power Off (EPO)

In the event of an emergency, immediately removes power to all connected equipment.
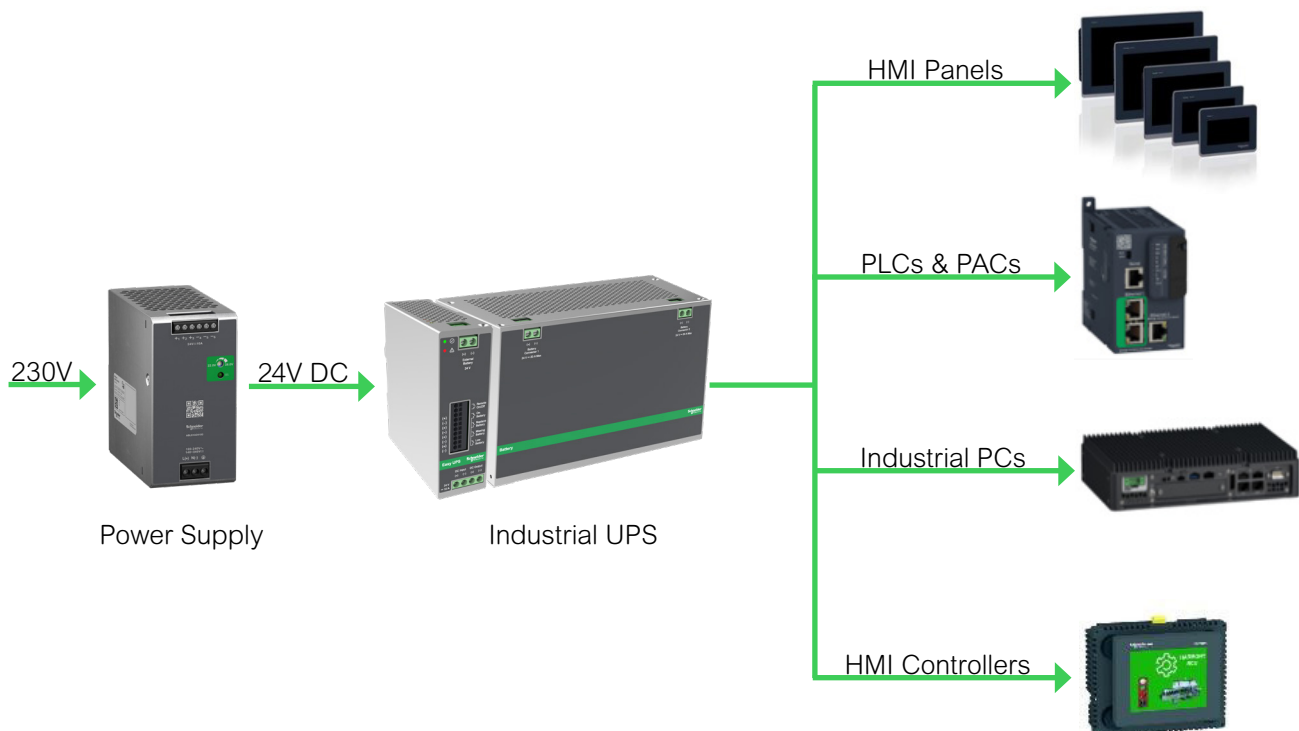
2-Year Warranty

Peace of mind with a 2-year warranty on both electronics and 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:

HMI Panels

PLCs & PACs

230V → 24V DC

Power Supply

Industrial UPS

Industrial PCs

HMI Controllers

Schneider Electric industrial controls porfolio

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, STO, STU, GTO
Magelis XBT N, R, RT

Advanced HMI Panels
Harmony GTU, GTUX, GK
Magelis XBT GH

HMI Controllers
Harmony SCU
Magelis XBT GC

Industrial UPS BVS-PDR

SKU technical specifications

	BVS240XDPDR	BVS480XDPDR
Topology	Double conversion on-line	
Output		
Output power capacity	240 Watts	480 Watts
Nominal output voltage	24 Vdc	
Output current	10A	20A
Output connections	Terminal Block_Dinkle ESK635V-04P	
Short circuit protection	Yes	
Efficiency	95%	
Input		
Nominal input voltage	24Vdc	
Input voltage range	21.6 - 28.6 Vdc	
Nominal input current	10A	20A
Input connections	Terminal Block_Dinkle ESK635V-04P	
Surge protecton	Yes	
Batteries and runtime		
Battery SKU	XB005XPDR	
Battery type	Maintenance-free, sealed lead-acid battery, leak proof	
Runtime w/ 1 battery (Full load/ Half load)	10 / 20 min	5 / 10 min
# of batteries in parallel	4	
Recharge time (up to 90% capacity)	< 8 hours	< 8 hours
Charging current	0.75A	
Battery capacity	4.5Ah	
Battery overcurrent protection	Yes	
Communications and management		
Display	LED	
Relay contact terminal connections	Yes (30 Vdc and 1A rated)	
Audible alarms	No	
Emergency power off (EPO)	Yes	
Physical		
Mount type	DIN rail	
Power unit HxWxD (mm)	119 x 40 x 129	
Power unit weight	0.5 kg (1.1 lbs.)	
Battery HxWxD (mm)	119 x 192.4 x 129	
Battery unit weight	4.8 kg (10.6 lbs.)	
Environmental		
Operating environment	5 – 122 °F (-15 – 50 °C)	
Operating relative humidity	0 – 95%	
Operating elevation	0-10000 feet (0-3000 meters)	
Storage temperature	5 – 158 °F (-15 – 70 °C) short term storage	
Storage relative humidity	0 – 95%, non-condensing	
Storage elevation	0-10000 feet (0-3000 meters)	
Audible noise at 1 meter from surface of unit	< 40 dB	
Conformance		
RoHS, REACH and WEEE	Yes	
Regulatory approvals	UL1778-5, CSA22.2 107.3, UL508, CE, EN/IEC 61000-6-2, TUV, UKCA	
Standard warranty	2-Year UPS and battery	

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Learn more today!

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