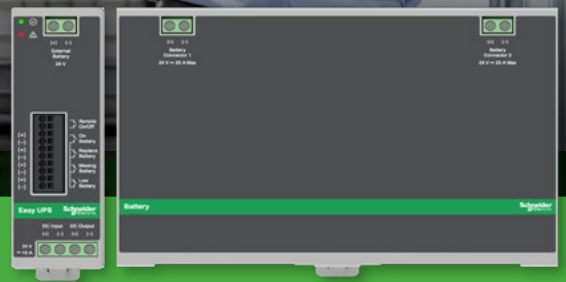




USV für industrielle Schaltschränke



Easy UPS 24V DC DIN Rail Industrial

Stromausfälle führen häufig zu langen Produktionsausfällen in industriellen Umgebungen. Die auf einer Hutschiene montierte industrielle 24-V-DC-USV **Easy UPS** bietet zuverlässigen Stromschutz und Batterie-Backup in industriellen Schaltschränken. Sie ist ausgestattet mit DC-Eingangs-/Ausgangsklemmen zur Unterstützung von PLCs, HMIs und iPCs und sorgt mit erweiterter Batterieunterstützung von bis zu 3 zusätzlichen Batteriepaketen für eine verlängerte Laufzeit bei Stromausfällen.

Pain Points

- Stromunterbrechungen
- Schäden an empfindlichen Geräten
- Verlust von Steuerungsdaten, dadurch lange Maschinen- und Prozesswiederanlaufzeiten
- Verlorene Effizienz

Kundenanforderungen

- Zuverlässige und erweiterbare USV für die industrielle Automatisierung und Steuerung
- 10-15 Minuten Batterie-Backup zur Unterstützung kritischer Geräte wie PLCs, HMIs usw. bei Stromunterbrechungen
- Sichere Abschaltung der Steuerungen

Die Lösung: **Easy UPS 24C DC**

- Einfache Installation mit DIN-Schienen Montage
- 2 Varianten: 240W/10A oder 480W/20A
- 10 Minuten Batterie-Backup bei 240W Last und 3 Minuten bei 480W Last mit 1 Batteriepack
- Möglichkeit zur Erweiterung auf bis zu 4 Akkupacks für eine höhere Laufzeit
- E/A-Relaiskontakte für Kommunikation und USV-Überwachung (u.a. Fern-Ein/Aus, Batteriestatus)
- LED-Anzeigen
- UL-, CE- und UKCA-zertifiziert

Life Is On

Schneider
Electric

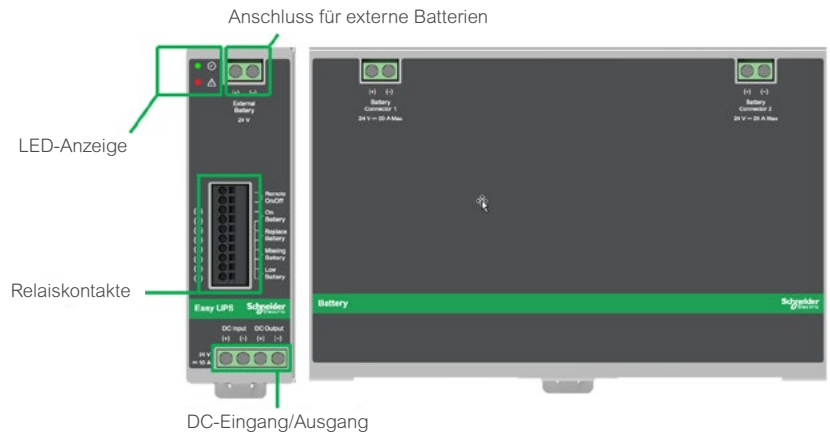
Spezifikationen

Dezentrale USV für die Sicherung kritischer Steuergeräte in den Schaltschränken:

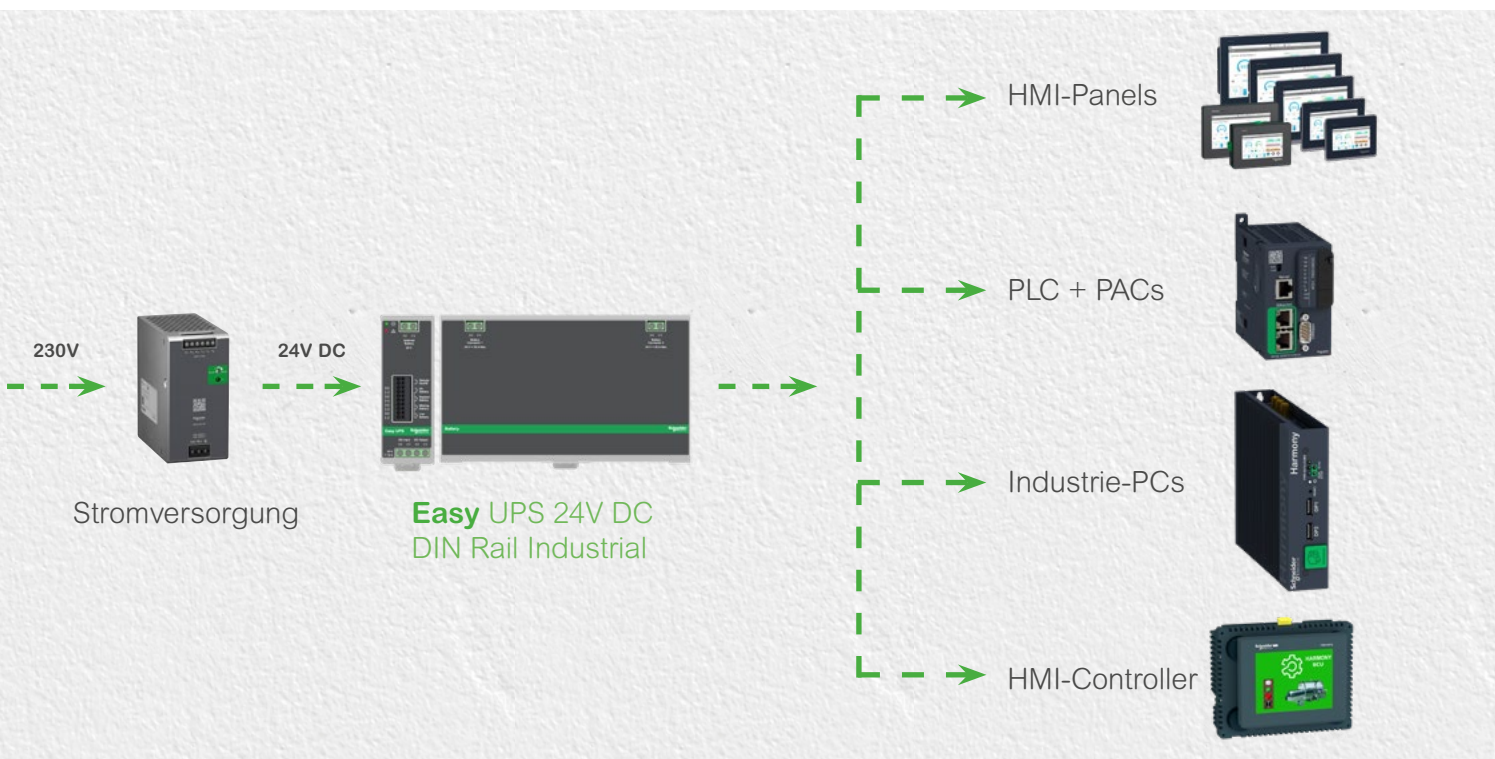
- PLC-Steuerungen
- HMI
- Industrie-PCs

Typische Anwendungsbereiche

- Industrie
- Infrastruktur
- Wohngebäude



Beispiel einer Lösungsarchitektur von Schneider Electric



Laufzeit-Tabelle

		BVS240XPDR (max. 10 A / 240V)										
		BVS480XPDR (max. 20 A / 480V)										
XB005XPDR		1 A	2 A	3 A	4 A	5 A	6 A	7 A	8 A	10 A	15 A	20 A
Anzahl der Batteriemodule	1x	3 Std.	1 Std.	40 Min.	30 Min.	20 Min.	15 Min.	10 Min.	10 Min.	10 Min.	5 Min.	3 Min.
	2x	5 Std.	3 Std.	2 Std.	1 Std.	1 Std.	40 Min.	40 Min.	30 Min.	30 Min.	10 Min.	9 Min.
	3x	–	5 Std.	3 Std.	2 Std.	–	2 Std.	1 Std.	50 Min.	50 Min.	20 Min.	15 Min.
	4x	–	–	5 Std.	3 Std.	2 Std.	–	–	1 Std.	1 Std.	30 Min.	20 Min.

Life Is On

Schneider Electric

Modicon Power Supply

Regulated power supply for industrial use, rail mounting

Functional modules for Modicon ABL5 Optimized, Modicon ABLU3A24●●● and ABL8RP/WP Universal power supplies

Continuity of service: Solutions to microbreaks and power outages

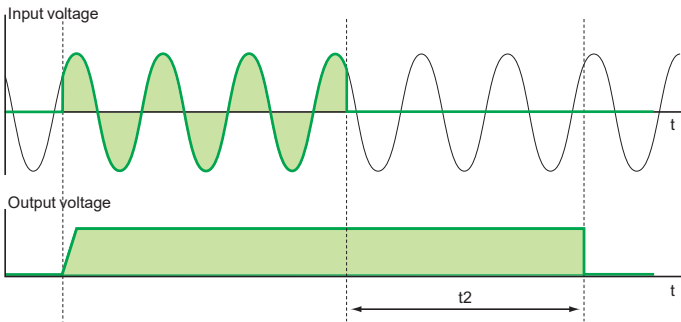
Easy UPS Battery control module DC-DC

Presentation

For applications that are sensitive to unintended stopping, **Easy UPS Battery control modules DC-DC** offer a solution comprising:

- Electronic switch mode power supply and Buffer module for holding times t_2 up to two seconds
 - Electronic switch mode power supply, Battery control module and Battery module for holding times t_2 of between two seconds and a few hours.
- These solutions are used to supply voltage after loss of the line supply, thus enabling saving of current values or fallback of some actuators supplied with 24 Vdc.

The table below indicates the possible holding times according to the equipment combinations and the current required.



Easy UPS battery control modules and Easy UPS battery module associations

Holding current	Holding time																		
	Minutes														Hours				
	1	2	3	4	5	6	7	8	9	10	15	20	30	40	50	1	2	3	5
1A	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3+3
2A	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3+3	1+3+3	1+3+3+3
3A	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3+3	1+3+3	1+3+3	1+3+3+3	1+3+3+3	1+3+3+3+3
4A	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3+3	1+3+3	1+3+3	1+3+3+3	1+3+3+3	1+3+3+3	1+3+3+3+3
5A	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3+3	1+3+3	1+3+3	1+3+3+3	1+3+3+3	1+3+3+3	1+3+3+3+3
6A	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3+3	1+3+3	1+3+3	1+3+3+3	1+3+3+3	1+3+3+3	1+3+3+3	1+3+3+3+3
7A	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3+3	1+3+3	1+3+3	1+3+3+3	1+3+3+3	1+3+3+3	1+3+3+3	1+3+3+3+3
8A	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3+3	1+3+3	1+3+3	1+3+3+3	1+3+3+3	1+3+3+3	1+3+3+3	1+3+3+3+3
10A	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3	1+3+3	1+3+3	1+3+3	1+3+3+3	1+3+3+3	1+3+3+3	1+3+3+3	1+3+3+3+3
15A	2+3	2+3	2+3	2+3	2+3	2+3+3	2+3+3	2+3+3	2+3+3	2+3+3	2+3+3	2+3+3	2+3+3	2+3+3	2+3+3	2+3+3	2+3+3	2+3+3	2+3+3+3
20A	2+3	2+3	2+3	2+3+3	2+3+3	2+3+3	2+3+3	2+3+3	2+3+3	2+3+3	2+3+3	2+3+3	2+3+3	2+3+3	2+3+3	2+3+3	2+3+3	2+3+3	2+3+3+3
	Code	Designation														Reference			
	1	10 A Easy UPS Battery control module DC-DC														BVS240XDPDR			
	2	20 A Easy UPS Battery control module DC-DC														BVS480XDPDR			
	3	4.5 Ah Easy UPS Battery module														XB005XPDR			

Modicon Power Supply

Regulated power supply for industrial use, rail mounting

Functional modules for Modicon ABL5 Optimized, Modicon ABLU3A24●●● and ABL8RP/WP Universal power supplies

Continuity of service: Solutions to microbreaks and power outages

Easy UPS Battery control module DC-DC

Functions

The main module functions are:

- Charging and checking the associated battery
- Automatic switching between the power supply and the battery in the event of a power outage.

The status of the product is given by 2 LED's (status and alarm).

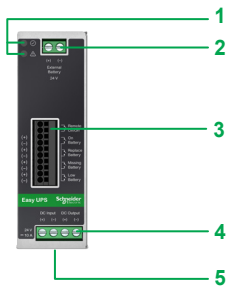
These control modules also have 4 diagnostic relays (C/O contacts) relating to the battery state :

- DC output supplied by the battery
- Replacement needed
- Battery missing
- Low level of charge

Description

Easy UPS Battery control module DC-DC

- 1 LED indicator for battery mode (Green), LED indicator for defaults (Red)
- 2 4 mm² (0.006 in²) screw terminals for connection of the battery module
- 3 10 mm² (0.015 in²) spring terminals for connection of remote input and diagnosis outputs
- 4 4 mm² (0.006 in²) screw terminals for connection of 24 V input and 24 V output
- 5 Spring clip for 35 mm (1.37 in) U rail



BVS240XDPDR
BVS480XDPDR



XB005XPDR

Easy UPS Battery module

- 1 4 mm² (0.006 in²) screw terminals for connection to the BVS Battery control module
- 2 4 mm² (0.006 in²) screw terminals for connection to additional battery pack
- 3 Spring clip for 35 mm (1.37 in) U rail

References

Designation	Holding time	Output current	Reference	Weight kg/lb
Easy UPS Battery control modules DC-DC	20 min at 20 A to 5 hrs at 1 A (depending on use (1) and load)	10 A	BVS240XDPDR	0.500/ 1.10
		20 A	BVS480XDPDR	0.500/ 1.10

Designation	For use with	Capacity	Reference	Weight kg/lb
Easy UPS Battery module	Easy UPS Battery control module DC-DC (BVS240XDPDR, BVS480XDPDR)	4.5 Ah (2)	XB005XPDR	5.500/ 12.12
Fuse	Easy UPS Battery module XB005XPDR	4x 20 A and 6x 30 A	ABL8FUS02	-

(1) Control module-battery unit association table with holding time according to the load, see page 24.

(2) Supplied with 20 or 30 A fuse depending on model.