UPS Solutions

Catalogue 2023

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Life Is On | Schneider Electric

Our purpose is to empower all to make the most of our energy and resources, bridging progress and sustainability for all.

At Schneider, we call this Life Is On.

We believe access to energy and digital is a basic human right. Our generation is facing a tectonic shift in energy transition and industrial revolution catalyzed by a more electric and world.

Electricity is the most efficient and best vector for decarbonisation; combined with circular economy approach solutions, we will achieve climat positive impact as part of the United Nations Sustainable Development.

Our mission is to be your digital partner for Sustainability and Efficiency.

We drive digital transformation by integrating world-leading process and energy technologies to realize the full efficiency and sustainability opportunities for your business.

We provide end-point to cloud integration connecting products, controls, software and services.

Our integrated solutions are built with safety, reliability and cybersecurity for your homes, buildings, data centers, infrastructure and industries.

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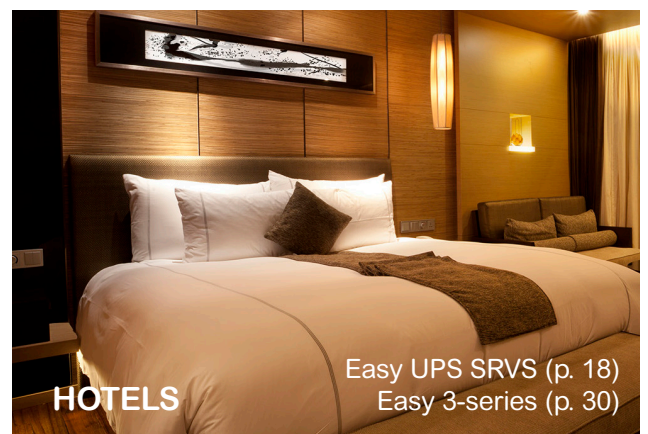
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Topology Overview

There are different UPS technologies, each with specific characteristics and performance.

Off-line or Passive Stand-by Technology

- Availability
- Simplicity
- Security
- Affordability
- Ideal for residential applications

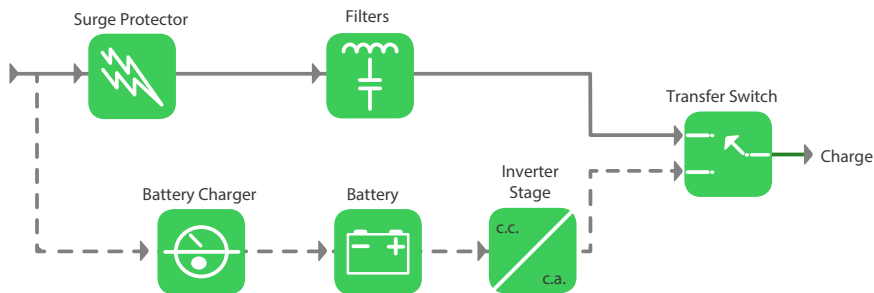The traditional technology for protecting PCs in undisturbed environments.

In normal mode, the UPS supplies the application with the mains, simply filtered but without any energy conversion. Its operating principle is sequential (on mains / on battery). In the event of a power cut, the UPS draws its energy from its battery to provide stabilized energy.

Its use is unsuitable in the event of frequent disturbances (industrial environments or strongly disturbed).

Line-interactive
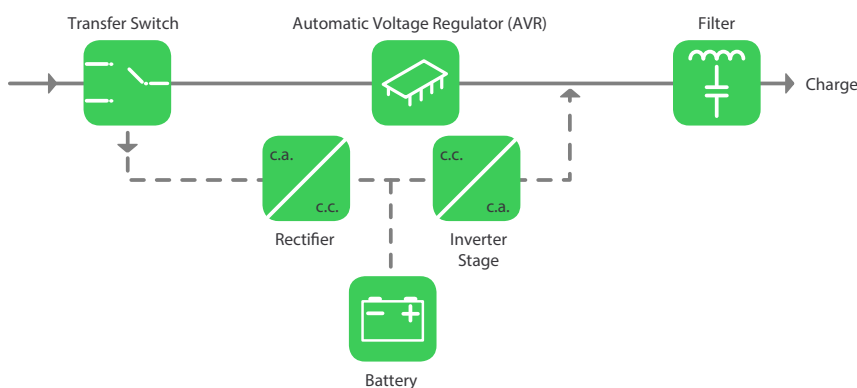
- Availability
- Easy to manage
- Adaptability
- Security
- Ease of maintenance

In normal mode, the UPS is managed by a microprocessor which monitors the quality of the electrical network and reacts to variations.

AVR (Automatic Voltage Regulation) instantly corrects voltage fluctuations. It overcomes drops or increases in voltage prolonging the battery life.

Double conversion (On-line)

- Availability
- Scalability
- Protection
- Easy to manage
- Easy to maintain

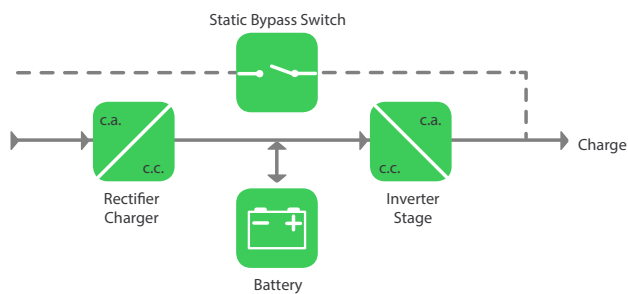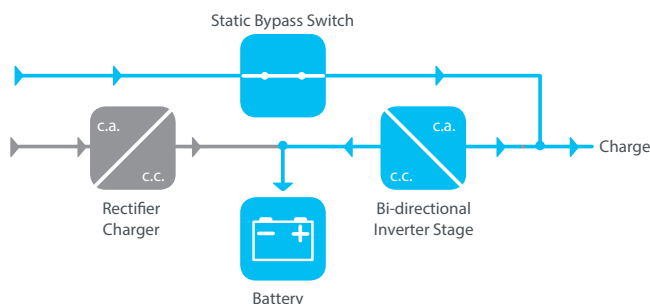Double conversion, technology suitable for centralized protection guaranteeing constant quality regardless of mains disturbances.

With the On-line UPS, permanent double conversion eliminates electrical disturbances that can damage a computer: the current is fully regenerated by transformation from AC to DC, then from DC to AC. It is essential for the protection of installations vital to the company and provides permanent protection. The On-line UPS is compatible with any type of load because it does not generate micro-cuts when switching on battery.

Most efficient technology. Application constantly protected against any type of disturbance. Permanent regulation of the output voltage (amplitude and frequency). Continuity of service thanks to the bypass.

eConversion™ Mode

- Protection
- Availability
- Scalability
- Ultra high efficiency up to 99%
- Ease of maintenance
- Total Cost of Ownership

eConversion™ is a state-of-the-art technology intended to reduce the energy cost of installations, relying on solutions with an efficiency greater than 99%, eConversion™ is the only technology in the world with such efficiency while guaranteeing the highest level electrical availability in accordance with IEC 62040-3 class 1.

eConversion™ is suitable for centralized protection guaranteeing constant quality regardless of mains disturbances.

In eConversion™ mode, the inverter uses the electrical network while guaranteeing a power supply without interruption, the power factor and the harmonics of the load are corrected by the bi-directional inverter stage which maintains the battery charge. This new Schneider Electric technology guarantees without outage operation and the highest level of availability when switching between operation sequences passing to 0V of the output voltage while providing exceptional energy efficiency for a UPS.

eConversion™ mode complies with IEC 62040-3 Class 1: Switching between operating sequences without passing 0 V of the output voltage
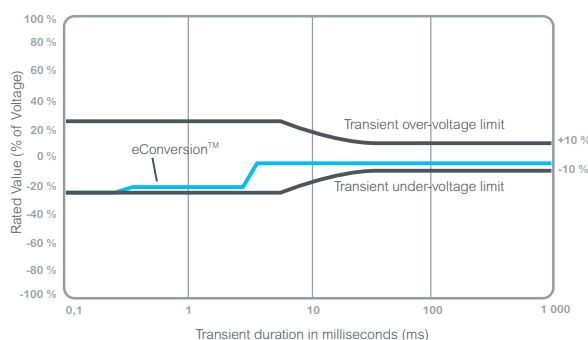
UPS Accessories and Management Solutions

Additional solution enhancement options

PZ42IZ

AP9544

SRVSMB001

SRVS240RLBP-9A

SRVS240BP-9A

SRVSRK1

Power Strip

PZ42IZ-GR **(xxx):** Power Strip for conversion of 1xIEC outlet to 4xShuko outlets.

Management Cards

- APVS9602 **(8411657):** Optional Network card for remote monitoring and management of SMVS series
- AP9640 **(8438482):** Optional Network card for remote monitoring and management of SMT and SRT series
- AP9641 **(8438483):** Optional Network card for remote monitoring and management with additional environmental monitoring of SMT and SRT series
- AP9613 **(8438368):** Dry contact card to monitor external triggers and initiate actions, compatible with SMT and SRT series
- AP9643 **(8438484):** Modbus card for communication with PCs through MODBUS protocol, compatible with SMT and SRT series
- AP9544: Optional Network card for remote monitoring and management of SRVS series (Note: Purchase and activation of a license is required to access all features and capabilities of the AP9544 card)
- APVS9601 **(8411552):** Optional Network card for remote monitoring and management of SRVS series (not compatible with Power Chute™)
- VGLS9901I **(8411551):** Dry contact card to monitor external triggers and initiate actions, compatible with SRVS series
- SRVSMB001 **(8411575):** Modbus card for communication with PCs through MODBUS protocol compatible with SRVS series

External Battery Packs

External Battery Packs provide extended runtime when connected with compatible UPS models. For more information, refer to the respective product page.

Rail Kits

UPS Rail Kit provide simple rack mount installation, allowing easy UPS maintenance while minimizing space needed.

- SRVSRK1 **(8411531):** 700 mm rail kit compatible with SRVS rackmount series, can support equipment with maximum weight of 60 kg
- SRVSRK2 **(8411532):** 900 mm rail kit compatible with SRVS rackmount series, can support equipment with maximum weight of 100 kg
- SRTRK2/SRTRK4 **(8438435/8438481):** rail kit compatible with SRT UPS series, refer to the respective product page.

Replacement Battery Cartridges (RBC)

Replacement Battery Cartridges comes fully assembled and can be easily replaced by a professional. The battery cartridges are compliant with international regulations and safe for transport.

The RBCs are compatible with APC SMVS/SMT/SRVS/SRT UPSs, restoring power backup capacity and extending the useful life of the UPS. For compatible models, refer to the respective product page.

PowerChute™ Serial Shutdown

PowerChute Serial Shutdown, for APC Smart UPS under 3kVA and Easy UPS Online, enables graceful unattended shutdown of servers and workstations using serial or USB cables. This helps prevent data corruption and costly equipment damage.

- At-a-glance UPS status monitoring
- Graceful, unattended system shutdown during critical events
- Secure access to the web user interface
- Energy & CO2 emissions reporting
- Configurable energy cost
- Windows and Linux Operating system support

PowerChute™ Network Shutdown

PowerChute Network Shutdown enables graceful unattended shutdown of servers and workstations. This helps prevent data corruption and costly equipment damage.

- Graceful network based shutdown
- Sequenced server shutdown
- Integration with VMware and Microsoft Hyper V
- Support for virtual clusters
- Virtual machine migration / shutdown
- IPv6 support
- Virtual machine prioritization
- Command file integration
- Redundant and parallel UPS support
- Event logging
- HTTPS communications
- Scalable architecture for host of client systems

EcoStruxure IT Expert: Cloud-based vendor-neutral monitoring

EcoStruxure IT Expert monitors and protects your critical equipment, providing 24/7 visibility through live data, smart alarming, and data-driven insights on the health of your connected assets directly to you. EcoStruxure IT Expert synthesizes performance and alarming data into proactive recommendations, and enables secure, wherever-you-go visibility and control.

Key features:

- Centralized real-time monitoring and alarm consolidation
- Health status across the global environment (alarms and data)
- Vendor-neutral visibility and management
- Analytics, industry benchmarks, and actionable recommendations
- Multi-sensor graphing & custom dasboards
- Web and App available

SmartConnect

APC Smart-UPS SMT (1-3kVA) provide a unique out-of-box cloud monitoring solution with a plug-and-play experience. Customers simply register for a Schneider Electric user account, connect the Ethernet cable to the SmartConnect Port on their Smart-UPS and scan the QR code.

- Automated Notifications
- UPS status Dashboard
- Run UPS self test from Cloud
- 30-day Event logs for trending
- One-click UPS firmware upgrade

Single Phase Line-interactive UPS
from 500 to 3000 VA

Line-Interactive UPS Selection Guide

2 ranges of UPS to cover line-interactive technology needs:

- Easy UPS is cost effective line-interactive solution for your basic protection needs.
- Smart UPS is a premium option recognized worldwide for the protection needs of workstations, servers and critical applications.

	EASY UPS		SMART UPS
	Easy UPS BVS	Easy UPS SMVS	Smart UPS SMT (tower and rack)
Technical Characteristics			
Input Voltage	230 V	230 V	230 V
Output Voltage	230 V	230 V	230 V
Power range	500 to 1000 VA	750 to 3000 VA	750 to 3000 VA
	300 to 600 W	525 to 2100 W	500 to 2700 W
	●	●●	●●
Replaceable Battery		Replaceble by a professional	✓
Format			
Power Strip	✓		
Tower		✓	✓
Rack			✓
Communication			
Audible Alarms	✓	✓	✓
Status LED	✓	✓	
Display LCD		✓	✓
Shutdown Software			PowerChute Serial Shutdown
Network Management Card (SNMP)		✓	✓
SmartConnect Ethernet Port			✓
Application Areas			
Residential Electronics	✓		
Office Electronics	✓	✓	
Critical Workstations		✓	
Network Switch			✓
Network Servers			✓
Green Premium			✓

Easy UPS BVS

from 500 to 1000 VA

A cost effective line-interactive solution for your basic protection needs in a power strip format.

Applications
- Workstation, PC and peripherals, home electronics

Technical Characteristics
- Power strip format
- Compact
- Can be wall mounted
- Automatic voltage regulator
- 4 or 6-sockets battery-powered and overvoltage protected

UPS - Schuko Version		BVS500I-GR	BVS650I-GR	BVS800I-GR	BVS1000I-GR
E-Number		8411517	8411528	8411530	8411515
UPS - IEC Version		BVS500I	BVS650I	BVS800I	BVS1000I
E-Number		8411516	8411527	8411529	8411514
Rated Power (VA)		500 VA	650 VA	800 VA	1000 VA
Rated Power (W)		300 W	375 W	450 W	600 W
Maximum Runtime (at 180 W)		3 min	9 min	9 min	10 min
Input					
Voltage		230 V			
Voltage Range		170 - 280 V			
Frequency		50/60 Hz			
Input Connection	Schuko version	1.5m power cord with Schuko			
	IEC version	1.5m power cord with IEC 320 C14			
Output					
Voltage		230 V			
Frequency		50/60 Hz +/-1 Hz			
Output Connection	Schuko version	4x Schuko			
	IEC version	6x IEC 320 C13			
Batteries					
Type		Lead-acid battery			
Communication					
Control Panel		No			
Emergency Power Off		No			
Warranty					
Standard Warranty		2 years			
Weight and Dimensions					
UPS Weight		3,9 kg	4,5 kg	5,3 kg	5,7 kg
UPS Dimensions (HxLxW)		92,5 x 160,5 x 305 mm			

Easy UPS SMVS   from 750 to 3000 VA

A cost effective line-interactive solution for your basic protection needs in a tower format.

Applications
- Workstation and critical application

Technical Characteristics
- Tower format
- LCD display
- USB port, optional Network Management Card (SNMP)
- 6 IEC 320 C13 output sockets
- Rugged metal construction

UPS - IEC version	SMVS750CAI	SMVS1000CAI	SMVS1500CAI	SMVS2000CAI	SMVS3000CAI
E-Number	8411652	8411653	8411654	8411655	8411656
Rated Power (VA)	750 VA	1000 VA	1500 VA	2000 VA	3000 VA
Rated Power (W	525 W	700 W	1050 W	1400 W	2100 W
Runtime at half load	17 min	12 min	11 min	12 min	9 min
Input					
Voltage	230 V				
Voltage Range	160 - 295 V				
Frequency	45-65 Hz				
Input Connection	IEC 320 C14			IEC 320 C20	
Output					
Voltage	230 V				
Frequency	45-65 Hz +/- 1 Hz		50/60 Hz +/-1 Hz		
Output Connection	6xIEC 320 C13				
Batteries					
Type	Lead-acid battery				
Replaceable Battery	Only replaceable by a professional.				
Communication					
Control Panel	Multi-function LCD screen				
Emergency Power Off (EPO)	No				
Communication	USB, RS232, Dry contacts, Network Management Card (SNMP)				
Warranty					
Standard Warranty	2 years				
Options					
Network Management Card (SNMP)	APVS9602 - 8411657				
External Bypass - IEC	SBP1500RMI - 8438371			SBP3000RMI - 8438370	
External Bypass - Hardwire	SBP3000RMHW - 8438397				
Weight and Dimensions					
UPS Weight	13,6 kg	13,6 kg	17,8 kg	23,5 kg	25,2 kg
UPS Dimensions (HxLxW)	220 x 160 x 410 mm			240 x 180 x 455 mm	

Smart-UPS SMT - Tower

from 750 to 3000 VA

Premium protection for critical workstations, networks and applications

Applications
- Critical workstations and applications

Technical Characteristics
- Pure Sinewave Output
- Hot swappable batteries
- LCD display
- USB port, optional Network Management Card (SNMP)
- SmartConnect Ethernet Port monitoring functionality

APC

Green Premium™

UPS - Tower Version	SMT750IC	SMT1000IC	SMT1500IC	SMT2200IC	SMT3000IC
E-Number	8438473	8438465	8438467	8438469	8438471
Rated power in VA	750 VA	1000 VA	1500 VA	2200 VA	3000 VA
Rated power in W	500 W	700 W	1000 W	1980 W	2700 W
Runtime at half load	15 min	19 min	23 min	24 min	17 min
Input					
Voltage	230 V				
Voltage Range	160 - 280 V				
Frequency	50/60 Hz +/- 3 Hz				
Connection Type	1x IEC 320 C14			1x IEC 320 C20	
Output					
Voltage	230 V				
Frequency	50/60 Hz +/- 3 Hz				
Connection Type	6x IEC 320 C13	8x IEC 320 C13		8x IEC 320 C13 + 1x IEC 320 C19	
Batteries					
Type	Lead-acid battery				
Replaceable Battery	Yes				
Replacement Battery Kit	RBC48 - 8438238	RBC6 - 8438243	RBC7 - 8438244	RBC55 - 8438240	RBC55 - 8438240
Communication					
Control Panel	Multi-function LCD screen				
Emergency Power Off (EPO)	No			Yes	
Communication	USB, RJ45, Network Management Card (SNMP), SmartConnect Ethernet Port				
Compatible software	PowerChute Serial Shutdown				
Warranty					
Standard Warranty	3 years for UPS / 2 years for Battery				
Options					
Modbus Card	AP9643 - 8438484				
Dry Contacts Communication card	AP9613 - 8438368				
Network Management Card (SNMP)	AP9640 - 8438482				
Network Management Card (SNMP) + Temperature probe	AP9641 - 8438483				
External Bypass - IEC	SBP1500RMI - 8438371			SBP3000RMI - 8438370	
External Bypass - Hardwire	SBP3000RMHW - 8438397				
Weight and Dimensions					
UPS Weight	11,8 kg	19,4 kg	24,1 kg	50,2 kg	52,5 kg
UPS Dimensions (HxLxW)	161 x 138 x 369 mm	219 x 171 x 439 mm		435 x 197 x 544 mm	

Tip - the optional Network Management Card (SNMP) slot allows you to add a communication card to easily monitor and manage the UPS via a standard browser.

Smart-UPS SMT - Rack — from 750 to 3000 VA

Premium protection for critical servers, networks and applications

Applications
- Network servers

Technical Characteristics
- Pure sinewave output
- Hot swappable batteries
- LCD display
- USB port, optional Network Management Card (SNMP)
- SmartConnect Ethernet Port monitoring functionality

Green Premium™

APC

UPS - Rack version	SMT750RMI2UC	SMT1000RMI2UC	SMT1500RMI2UC	SMT2200RMI2UC	SMT3000RMI2UC
E-Number	8438474	8438466	8438468	8438470	8438472
Rated Power (VA)	750 VA	1000 VA	1500 VA	2200 VA	3000 VA
Rated Power (W)	500 W	700 W	1000 W	1980 W	2700 W
Runtime (at half load)	16 min	31 min	25 min	16 min	11 min
Input					
Voltage	230 V				
Voltage Range	160 - 280 V				
Frequency	50/60 Hz +/- 3 Hz				
Input Connection	1x IEC 320 C14			1x IEC 320 C20	
Output					
Voltage	230 V				
Frequency	50/60 Hz +/- 3 Hz				
Output Connection	4x IEC 320 C13			8x IEC 320 C13 + 1x IEC 320 C19	
Batteries					
Type	Lead-acid battery				
Replaceable Battery	Yes				
Replacement Battery Kit	APCRBC123 8438317	APCRBC157 8438493	APCRBC159 8438494	RBC43 8438234	RBC43 8438234
Communication					
Control Panel	Multi-function LCD screen				
Emergency Power Off (EPO)	No			Yes	
Communication	USB, RJ45, Network Management Card (SNMP), SmartConnect Ethernet Port				
Shutdown Software	PowerChute Serial Shutdown				
Warranty					
Standard Warranty	3 years for UPS/ 2 years for Battery				
Options					
Modbus card	AP9643 - 8438484				
Dry Contacts Communication Card	AP9613 - 8438368				
Network Management Card (SNMP)	AP9640 - 8438482				
Network Management Card (SNMP) + Temperature sensor	AP9641 - 8438483				
External Bypass - IEC	SBP1500RMI - 8438371			SBP3000RMI - 8438370	
External Bypass - Hardwire	SBP3000RMHW - 8438397				
Weight and Dimensions					
UPS Weight	16,6 kg	22,5 kg	26,1 kg	42,3 kg	44,3 kg
UPS Dimensions (HxLxW)	86 x 432 x 409 mm	86 x 432 x 477 mm		86 x 432 x 683 mm	
UPS Height (in U)	2U				

Tip - the optional Network Management Card (SNMP) slot allows you to add a communication card to easily monitor and manage the UPS via a standard browser.

Single Phase
On-line Double Conversion UPS
from 1kVA to 10 kVA

On-line Double Conversion UPS Selection Guide

2 ranges of UPS to cover double conversion on-line technology needs:

- Easy UPS is a cost effective option with robustness for demanding environments.
- Smart UPS is a premium option recognized worldwide for the protection needs of servers and networks.

	EASY UPS		SMART UPS
	Easy UPS SRVS	Easy UPS SRVS (Extended Runtime)	Smart UPS SRT
Technical Characteristics			
Input Voltage	230 V	230 V	230 V
Output Voltage	230 V	230 V	230 V
Power range in VA	1 to 10 kVA ●●●	1 to 10 kVA ●●●	1 to 10 kVA ●●●
Replaceable Battery	Partially (see product page)	✓	✓
Extended Runtime Option		✓	✓
Format			
Tower	✓	✓	
Rack	✓	✓	
Tower and Rack			✓
Communication			
Audible Alarms	✓	✓	✓
Status LED	✓	✓	✓
Display LCD	✓	✓	✓
Shutdown Software	License-based with AP9544	License-based with AP9544	PowerChute Serial Shutdown PowerChute Network Shutdown
Network Management Card (SNMP)	✓	✓	✓
Application Areas			
Network Servers	✓	✓	✓
Voice/Data Network Equipment, Medical Applications	✓	✓	✓
Industrial Applications	✓	✓	✓
Green Premium			✓

Easy UPS SRVS - Tower

from 1 to 10 kVA

Cost effective on-line double conversion protection in a tower format

Applications

- Commercial and industrial equipment / servers

Technical Characteristics

- Automatic and manual bypass
- High operating efficiency in energy-saving ECO mode
- Prolonged battery life with intelligent temperature-compensated charging
- Easy-to-read LCD interface for detailed and accurate information on UPS status
- Possibility of adding a Network Management Card (SNMP) to connect and monitor the UPS

UPS - Tower version	SRVS1KI	SRVS2KI	SRVS3KI	SRVS6KI	SRVS10KI
E-Number	8411538	8411540	8411542	8411544	8411536
Rated Power (VA)	1000 VA	2000 VA	3000 VA	6000 VA	10 000 VA
Rated Power (W	800 W	1600 W	2400 W	6000 W	10 000 W
Runtime at half load	10 min	11 min	12 min	11 min	9 min
Input					
Voltage	220/230/240 V				
Voltage Range	110 - 285 V (at 50% load)				
Frequency	40 - 70 Hz				
Input Connection	IEC 320 C14		IEC 320 C20	Single-phase + N terminal block	
Output					
Voltage	220/230/240 V				
Frequency	50/60 Hz +/- 3 Hz		50/60 Hz +/-0,1Hz		
Output Connection	3x IEC 320 C13	4x IEC 320 C13	6x IEC 320 C13 + 1x IEC 320 C19	Single-phase + N terminal block	
Batteries					
Type	Lead-acid battery				
Replaceable Battery	Replaceable by a professional			Not replaceable	
Communication					
Control Panel	Multi-function LCD screen				
Emergency Power Off (EPO)	No			Yes	
Communication	RS232, USB, Network Management Card (SNMP)				
Warranty					
Standard Warranty	2 years				
Options					
Dry Contacts Communication Card	VGLS9901I - 8411551				
Network Management Card (SNMP)	APVS9601 - 8411552				
Web/SNMP Communication Card with subscription	AP9544				
MODBUS RS485 Communication Card	SRVSMB001 - 8411575				
External Bypass - IEC	SBP3000RMI - 8438370			-	
External Bypass - Hardwire	SBP3000RMHW - 8438370			SBP16KP - 8438349	
Weight and Dimensions					
UPS Weight	9,3 kg	16,8 kg	24,1 kg	54 kg	65 kg
UPS Dimensions (HxLxW)	223 x 145 x 288 mm	238 x 145 x 400 mm	336 x 190 x 425 mm	685 x 190 x 374 mm	685 x 190 x 447 mm

Easy UPS SRVS - Rack · from 1 to 10 kVA

Cost effective on-line double conversion protection in a rack format

Applications
• Commercial and industrial equipment / servers

Technical Characteristics
• Automatic and manual Bypass
• High operating efficiency in energy-saving ECO mode
• Prolonged battery life with intelligent temperature-compensated charging
• Easy-to-read LCD interface for detailed and accurate information on UPS status
• Possibility of adding a Network Management Card (SNMP) to connect and monitor the UPS

UPS - Rack version	SRVS1KRI	SRVS2KRI	SRVS3KRI	⚠ Power Module Only SRVSPM6KRI	⚠ Power Module Only SRVSPM10KRI
E-Number	8411558	8411560	8411562	8411566	8411565
Rated Power (VA)	1000 VA	2000 VA	3000 VA	6000 VA	10 000 VA
Rated Power (W	800 W	1600 W	2400 W	6000 W	10 000 W
Runtime (at half load)	10 min	11 min	12 min	11 min	9 min
Input					
Voltage	220/230/240 V				
Voltage Range	110 - 285 V (at 50% load)				
Frequency	50/60 Hz				
Input Connection	IEC 320 C14		IEC 320 C20	Single-phase + N terminal block	
Output					
Voltage	220/230/240 V				
Frequency	50/60 Hz +/- 3 Hz		50/60 Hz +/-0,1Hz		
Output Connection	3x IEC 320 C13	4x IEC 320 C13	6x IEC 320 C13 + 1x IEC 320 C19	Single-phase + N terminal block	
Batteries					
	Included	Included	Included	SRVS192RBP-7A	SRVS192RBP-9A
				8411556	8411553
Type	Lead-acid Battery				
Replacement Battery	Replaceable by a professional				
Rail Kit - 900mm (Optional)				SRVSRK2 - 8411532	SRVSRK2 - 8411532
SE Easy UPS SRVS 240V RM Battery Pack				SRVS240RLBP-9A - 8411574	
Communication					
Control Panel	Multi-function LCD screen				
Emergency Power Off (EPO)	No			Yes	
Communication	RS232, USB, Optional Network Management Card (SNMP)				
Warranty					
Standard Warranty	2 years				
Options					
Rail Kit - 700mm	SRVSRK1 - 8411558				
Dry Contacts Communication Card	VGLS9901I - 8411551				
Network Management Card (SNMP)	APVS9601 - 8411552				
Web/SNMP Communication Card with subscription	AP9544				
MODBUS RS485 Communication Card	SRVSMB001 - 8411575				
External Bypass - IEC External Bypass	SBP3000RMI - 8438370				
External Bypass - Hardwire	SBP3000RMHW - 8438370			SBP16KP - 8438349	
Weight and Dimensions					
UPS Weight	11 kg	18,2 kg	27,6 kg	UPS : 14 kg + Battery Pack : 46 kg	UPS : 16,5 kg + Battery Pack : 53 kg
UPS Dimensions (HxLxW)	86 x 437 x 312 mm	86 x 437 x 462 mm	86 x 437 x 632 mm	UPS : 86 x 437 x 612 mm + Battery Pack: 86 x 437 x 710 mm	
UPS Height (in U)	2U			UPS : 2U + Battery Pack : 2U	

Easy UPS SRVS - Tower Extended Runtime · from 1 to 10 kVA

Cost effective on-line double conversion protection in a tower format - with scaleable runtimes

Applications
- Commercial and industrial equipment / servers

Technical Characteristics
- Automatic and manual bypass
- High operating efficiency in energy-saving ECO mode
- Prolonged battery life with intelligent temperature-compensated charging
- Easy-to-read LCD interface for detailed and accurate information on UPS status
- Possibility of adding a Network Management Card (SNMP) card to connect and monitor the UPS

UPS - Tower version *		SRVSPM1KIL	SRVSPM2KIL	SRVSPM3KIL	SRVSPM6KIL	SRVSPM10KIL
E-Number		8411547	8411548	8411549	8411550	8411546
Rated Power (VA)		1000 VA	2000 VA	3000 VA	6000 VA	10 000 VA
Rated Power (W		800 W	1600 W	2400 W	6000 W	10 000 W
		Runtime				
Runtime at half load	No. of additional batteries	SRVS36BP-9A 8411534	SRVS72BP-9A 8411535	SRVS72BP-9A 8411535	SRVS240BP-9A 8411533	SRVS240BP-9A 8411533
	1	48 min	48 min	28 min	17 min	8 min
	2	1h 49min	2h 21min	1h 14min	39 min	21 min
	3	2h 57min	3h 10min	1h 56min	1h 04min	34 min
	4	4h 09min	4h 4min	2h 47min	1h 31min	49 min
	5	5h 11min	5h 12min	3h 30min	1h 59min	1h 04min
Input						
Voltage		220/230/240 V				
Voltage Range		110 - 285 V (at 50% load)			110 - 300 V (at 60% load)	
Frequency		50/60 Hz				
Output Connection		IEC 320 C14		IEC 320 C20	Single-phase + N terminal block	
Output						
Voltage		220/230/240 V				
Frequency		50/60 Hz +/- 3 Hz		50/60 Hz +/-0,1Hz		
Input Connection		3x IEC 320 C13	4x IEC 320 C13	6x IEC 320 C13 + 1x IEC 320 C19	Single-phase + N terminal block	
Batteries						
Type		Lead-acid Battery				
Extended Runtime Battery Pack		SRVS36BP-9A 8411535	SRVS72BP-9A - 8411535		SRVS240BP-9A - 8411533	
Communication						
Control Panel		Multi-function LCD screen				
Emergency Power Off (EPO)		No			Yes	
Communication		RS232, USB, Network Management Card (SNMP)				
Warranty						
Standard Warranty		2 years				
Options						
Dry Contacts Communication Card		VGLS9901I - 8411551				
Network Management Card (SNMP)		APVS9601 - 8411552				
Web/SNMP Communication Card with subscription		AP9544				
MODBUS RS485 Communication Card		SRVSMB001 - 8411575				
External Bypass - IEC		SBP3000RMI - 8438370			-	
External Bypass - Hardwire		SBP3000RMHW - 8438397			SBP16KP - 8438349	
Weight and Dimensions						
UPS Weight		4,4 kg	7,1 kg	7,8 kg	13 kg	16,5 kg
UPS Dimensions (HxLxW)		223 x 145 x 288 mm	238 x 145 x 400 mm		336 x 190 x 374 mm	336 x 190 x 447 mm
Battery Pack Weights		19,6 kg	38 kg		60 kg	
Battery Pack Dimensions (HxLxW)		238 x 145 x 400 mm	336 x 190 x 425 mm		368 x 190 x 485 mm	

Power Module Only

Easy UPS SRVS - Rack Extended Runtime   from 1 to 3 kVA

Cost effective on-line double conversion protection in a rack format - with scaleable runtimes

Applications
• Commercial and industrial equipment / servers

Technical Characteristics
• Automatic and manual bypass
• High operating efficiency in energy-saving ECO mode
• Prolonged battery life with intelligent temperature compensated charging
• Easy-to-read LCD interface for detailed and accurate information on UPS status
• Possibility of adding a Network Management Card (SNMP) to connect and monitor the UPS

	Power Module Only	Power Module Only	Power Module Only	Power Module Only	Power Module Only
UPS - Rack version*	**SRVSPM1KRIL**	**SRVSPM2KRIL**	**SRVSPM3KRIL**	**SRVSPM6KRIL**	**SRVSPM10KRIL**
E-Number	**8411673**	**8411674**	**8411675**	**8411676**	**8411677**
Rated Power (VA)	1000 VA	2000 VA	3000 VA	6000 VA	10 000 VA
Rated Power (W	800 W	1600 W	2400 W	6000 W	10 000 W

		Runtime				
	No. of additional batterie	(SRVS36RLBP-9A) 8411570	(SRVS72RLBP-9A) 8411571	(SRVS72RLBP-9A) 8411571	SRVS240RLBP-9A 8411574	SRVS240RLBP-9A 8411574
Runtime at half load	1	52 min	49 min	30 min	17min	8min
	2	1h 54min	1h 49min	1h 07min	41 min	22min
	3	2h 59min	2h 51min	1h 46min	1h 06min	36min
	4	4h 6min	3h 55min	2h 27min	1h 32min	51 min
	5	5h 15min	5h 01min	3h 08min	1h 58min	1h 06min

Input					
Voltage	220/230/240 V				
Voltage Range	160 - 280 V (at 50%)			110 - 300 V (at 60% load)	
Frequency	50 or 60 Hz +/- 3Hz				
Input Connection	6m cord, straight end with IEC output plug			Single-phase + N terminal block	
Output					
Voltage	220/230/240 V				
Frequency	50/60 Hz +/- 3 Hz			50/60 Hz +/-0,1Hz	
Output Connection	4x IEC 320 C13		6x IEC 320 C13 + 1x IEC 320 C19	Single-phase + N terminal block	
Batteries					
Type	Lead-acid Battery				
Extended Runtime Battery Pack	SRVS36RLBP-9A 8411570	SRVS72RLBP-9A - 8411571		SRVS240RLBP-9A - 8411574	
Rail Kit for Battery Pack	SRVSRK1 - 8411531			SRVSRK2 - 8411532	
Communication					
Control Panel	Multi-function LCD screen				
Emergency Power Off (EPO)	No			Yes	
Communication	RS232, USB, Network Management Card (SNMP)				
Warranty					
Standard Warranty	2 years				
Options					
Rail Kit - 700mm	SRVSRK1 - 8411531				
Dry Contacts Communication Card	VGLS9901I - 8411551				
Network Management Card (SNMP)	APVS9601 - 8411552				
Web/SNMP Communication Card with subscription	AP9544				
MODBUS RS485 Communication Card	SRVSMB001 - 8411575				
External Bypass - IEC	SBP3000RMI - 8438370			-	
External Bypass - Hardwire	SBP3000RMHW - 8438397			SBP16KP - 8438349	
Weight and Dimensions					
UPS Weight	11 kg	19 kg	27 kg	14 kg	16 kg
UPS Dimensions (HxLxW)	86 x 437 x 312 mm	86 x 437 x 462 mm	86 x 437 x 632 mm	86 x 438 x 615 mm	
UPS Height (in U)	4U (2U UPS + 2U Battery Pack)			5U (2U UPS + 3U Battery Pack)	
Battery Pack Weights	21 kg	42,5 kg		63 kg	
Battery Pack Dimensions (HxLxW)	86 x 437 x 412 mm	86 x 437 x 632 mm		86 x 437 x 632 mm	

Smart UPS SRT - Tower / Rack — from 1 to 10 kVA

High-efficiency, double-conversion, on-line, premium protection - scalable runtime

Applications
- Network Servers
- Voice/Data Network Equipment
- Medical laboratories
- Light industrial applications

	SRT1000XLI	SRT1500XLI	SRT2200XLI	SRT3000XLI	SRT5KXLI	SRT6KXLI	SRT8KXLI	SRT10KXLI
UPS - Tower	SRT1000XLI	SRT1500XLI	SRT2200XLI	SRT3000XLI	SRT5KXLI	SRT6KXLI	SRT8KXLI	SRT10KXLI
E-Number	8438476	8438478	8438421	8438423	8438380	8438382	8438384	8438386
UPS - Rack	SRT1000RMXLI	SRT1500RMXLI	SRT2200RMXLI	SRT3000RMXLI	SRT5KRMXLI	SRT6KRMXLI	SRT8KRMXLI	SRT10KRMXLI
E-Number	8438475	8438477	8438422	8438424	8438381	8438383	8438385	8438387
Rated Power (VA)	1000 VA	1500 VA	2200 VA	3000 VA	5000 VA	6000 VA	8000 VA	10 000 W
Rated Power (W	1000 W	1500 W	1980 W	2700 W	4500 W	6000 W	8000 W	10 000 W
Battery - Tower	SRT48BP	SRT48BP	SRT72BP	SRT96BP	SRT192BP	SRT192BP	SRT192BP2	SRT192BP2
Elnumber	8438479	8438479	8438425	8438427	8438392	8438392	8438394	8438394
Battery - Rack	SRT48RMBP	SRT48RMBP	SRT72RMBP	SRT96RMBP	SRT192RMBP	SRT192RMBP	SRT192RMBP2	SRT192RMBP2
Elnumber	8438480	8438480	8438426	8438428	8438393	8438393	8438395	8438395

Runtime depending on the number of additional battery packs	No. of additional batteries	Runtime							
	0	21 min	14 min	12 min	12 min	12 min	9 min	14 min	11 min
	1	1h 17min	54 min	46 min	46 min	46 min	36 min	34 min	28 min
	2	2h 17min	1h 37min	1h 22min	1h 23min	1h 23min	1h 5min	55 min	45 min
	3	3h 19min	2h 21min	2h 0min	2h 2min	2h 1min	1h 35min	1h 17min	1h 3min
	4	4h 23min	3h 7min	2h 39min	2h 41min	2h 40min	2h 6min	1h 39min	1h 21min
	5	5h 28min	3h 53min	3h 18min	3h 21min	3h 20min	2h 38min	2h 2min	1h 40min
	6	6h 34min	4h 41min	3h 58min	4h 2min	4h 1min	3h 10min	2h 24min	1h 59min
	8	8h 49min	6h 17min	5h 20min	5h 25min	5h 24min	4h 16min	3h 11min	2 h 37min
	10	11h 7min	7h 56min	6h 44min	6h 50min	6h 49min	5h 23min	3h 58min	3h 16min

Input

Voltage	230 V						230 V or 400 V	
Voltage Range	176 - 275 V		160 - 275 V				to confirm	
Frequency	40 - 70 Hz							
Input Connection	IEC 320 C14		IEC 320 C20		Single-phase + N terminal block		Single-phase + N terminal block or Three-phase terminal block + N	

Output

Voltage	220/230/240 V							
Frequency	50/60 Hz +/- 3 Hz							
Output Connection	6x IEC 320 C13		8x IEC 320 C13 + 2x IEC 320 C19		6x IEC 320 C13 + 4x IEC 320 C19		6x IEC 320 C13 + 4x IEC 320 C19 or Single-phase + N terminal block	

Batteries

Type	Lead-acid battery							
Battery pack for tower version	SRT48BP 8438479		SRT72BP 8438425	SRT96BP 8438427	SRT192BP 8438392		SRT192BP2 8438394	
Battery pack for rack version	SRT48RMBP 8438480		SRT72RMBP 8438426	SRT96RMBP 8438428	SRT192RMBP 8438393		SRT192RMBP2 8438395	
Replaceable Battery	Yes							
Replacement Battery Kit	APCRBC155 8438492	APCRBC155 8438492	APCRBC141 8438495	APCRBC152 8438491	APCRBC140 8438409			

Warranty

Standard Warranty	3 years for UPS/ 2 years for Battery							

Weight and Dimensions

UPS Weight	21 kg		25 kg	31,3 kg	54,4 kg	60 kg	111,8 kg	
UPS Dimensions (HxLxW) in mm	432 x 85 x 505		432 x 85 x 584	432 x 85 x 635	432 x 130 x 719	432 x 174 x 719	432 x 263 x 715	
UPS Height (in U)	2U		2U	2U	3U	4U	6U	
Battery Pack Weights	29,9 kg		33,9 kg	40,6 kg	91 kg			
Battery Pack Dimensions (HxLxW)	432 x 85 x 536 mm		432 x 85 x 594 mm		432 x 130 x 682 mm			
Battery Pack Height (in U)	2U		2U		3U			

Smart UPS SRT - Tower / Rack

from 1 to 10 kVA

Tip - A 3 colour LCD screen that visually alerts you based on the critical action level.

Technical Characteristics

- Pure Sinewave Output
- High efficiency (power factor 0.9 or 1)
- Possibility of adding battery packs to extend runtime
- Replaceable batteries
- Hot swappable batteries
- LCD display in 3 colours
- Optional Network Management Card (SNMP) for 1, 1.5, 2.2, 3 kVA, pre-installed for 5, 6, 8, 10 kVA
- Internal bypass (automatic and manual)
- Tower/Rack convertible

UPS - Tower	SRT1000XLI	SRT1500XLI	SRT2200XLI	SRT3000XLI	SRT5KXLI	SRT6KXLI	SRT8KXLI	SRT10KXLI
E-Number	8438476	8438478	8438421	8438423	8438380	8438382	8438384	8438386
UPS - Rack	SRT1000RMXLI	SRT1500RMXLI	SRT2200RMXLI	SRT3000RMXLI	SRT5KRMXLI	SRT6KRMXLI	SRT8KRMXLI	SRT10KRMXLI
E-Number	8438475	8438477	8438422	8438424	8438381	8438383	8438385	8438387

Communication								
Control Panel	Multi-function LCD screen							
Emergency Power Off (EPO)	Yes							
Communication	Network Management Card (SNMP) (optional)				AP9630 communication card pre-installed			
Shutdown Software	PowerChute Serial Shutdown				PowerChute Network Shutdown			
Options								
Kit to transform tower into rack	-		SRTRK4 - 8438481			SRTRK2 - 8438435		
Hardwire input/output kit	-		SRT012 - 8438438		SRT001 - 8438420	-		
Modbus Card	AP9643 - 8438484							
Dry contacts	AP9613 - 8438368							
Network Management Card (SNMP)	AP9640 - 8438482							
Network Management Card (SNMP) with environmental monitoring	AP9641 - 8438483							
External Bypass	SBP1500RMI - 8438371		SBP3000RMI (8438370) or SBP3000 (8438351) with SRT012 (8438438)		SBP10KRMI4U (8438348) or SBP16KP (8438349) with SRT001 (8438420)	SBP10KRMI4U (8438348) with IEC output or SBP16KP (8438349) with terminal block output		

Racks, Enclosures, Micro Datacenter, Rack PDUs, ATS and DIN-rail UPS
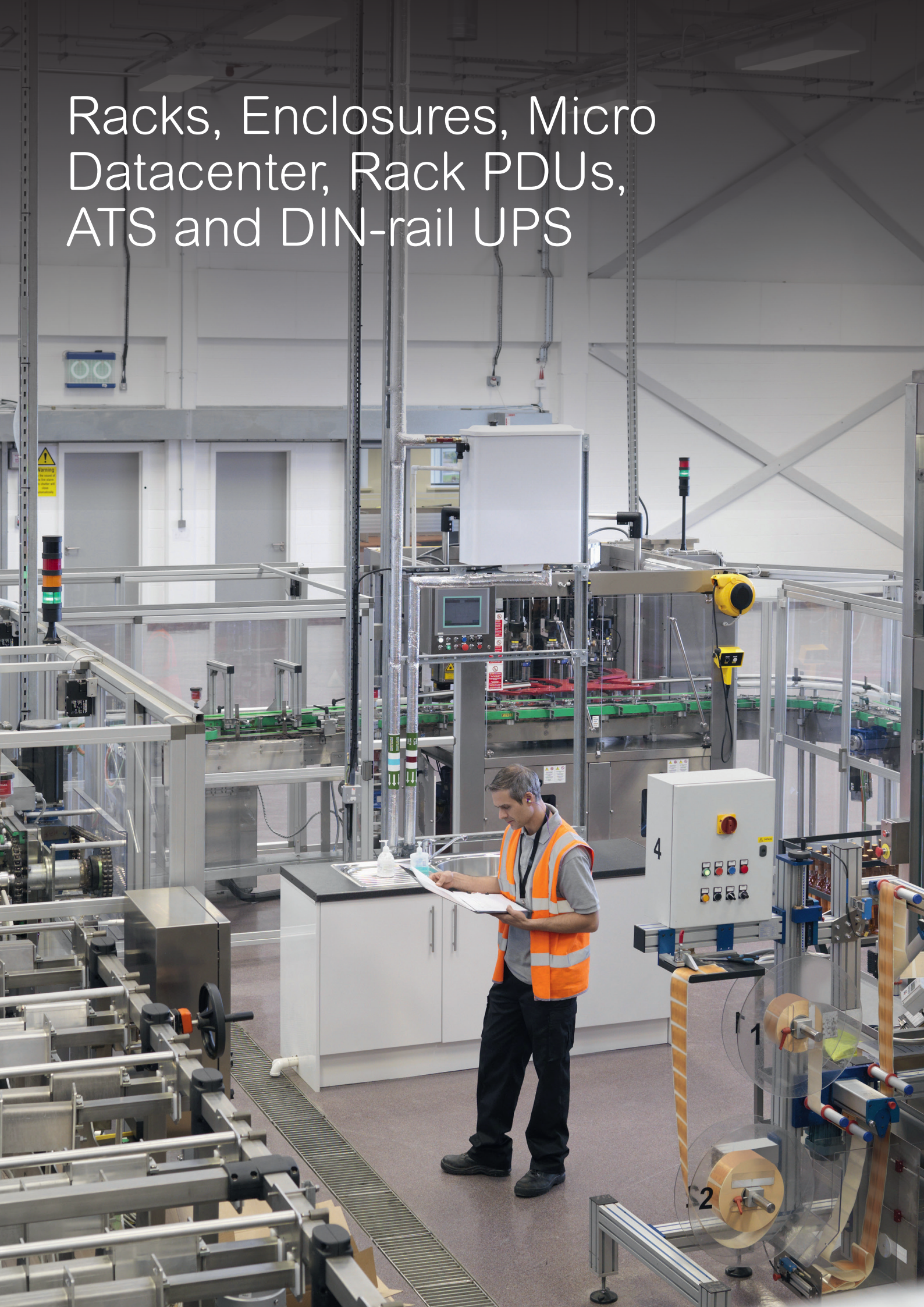
Rack PDUs, Rack and Enclosures, Micro Datacenter

Racks and Enclosures

	Dimension H	WxP Dimensions	Net Weight	Static load	Max. thermal load recommended	Socket panel included	Reference without panels lateral
Easy Rack							
ER6402 - 7233157	24U (1198mm)	600x1000 mm	71.4 Kg	1200 kg			/
ER6422 - 7233158	24U (1198mm)	600x1200 mm	71.4 Kg	1200 kg			/
ER6202 - 7233145	42U (1991mm)	600x1000 mm	100.4 Kg	1200 kg	Included:	ER6200 - 7233146
ER6212 - 7233126	42U (1991mm)	600x1100 mm	105.2 Kg	1200 kg	- Roof openings (brush passage)	/
ER6222 - 7233121	42U (1991mm)	600x1200 mm	108.6 Kg	1200 kg	- Doors: single front, double rear and key lock	ER6220 - 7233125
ER8282 - 7233159	42U (1991mm)	800x800 mm	120.8 Kg	1200 kg	- Preinstalled castors and levelling feet	/
ER8202 - 7233147	42U (1991mm)	800x1000 mm	128.4 Kg	1200 kg	- Adjustable mounting rail	ER8200 - 7233148
ER8212 - 7233129	42U (1991mm)	800x1100 mm	131.2 Kg	1200 kg	- Independent fixings at the rear of the rack to fix the accessories and	/
ER8222 - 7233127	42U (1991mm)	800x1200 mm	135 Kg	1200 kg	rack strips. Compatible with rack	ER8220 - 7233128
ER6802 - 7233149	48U (2258mm)	600x1000 mm	113.2 Kg	1200 kg	access control and containment	ER6800 - 7233154
ER6822 - 7233137	48U (2258mm)	600x1200 mm	122 Kg	1200 kg	solutions (EcoAisle).	ER6820 - 7233138
ER8802 - 7233155	48U (2258mm)	800x1000 mm	140.4 Kg	1200 kg		ER8800 - 7233156
ER8822 - 7233139	48U (2258mm)	800x1200 mm	150 Kg	1200 kg		ER8820 - 7233144

Easy Rack Accessories		
ER7BP1U	7233171	Blanking panel 1U
ER7BP2U	7233172	Blanking panel 2U
ER7DCM	7233170	Cable Manager 1U in depth
ER7HCM	7233169	Cable Manager 1U in horizontal
ER7VCM42	7233167	Cable Manager vertical 42U
ER7VCM48	7233168	Cable Manager vertical 48U
ER7PDUBRKT	7233163	PDU mounting bracket, double width, 2pairs
ER7PDUBRKTS	7233164	PDU mounting bracket, single width, 2paris
ER7RCC24	7233160	Accessory channel 24U
ER7RCC42	7233161	Accessory channel 42U
ER7RCC48	7233162	Accessory channel 48U
ER7SHELF	7233165	Shelf (only for 1100-1200mm depth enclosures)
ER7SHELFS	7233166	Shelf short

Rack PDUs

Basic PDUs - Reliable power distribution

Metered PDUs - Advanced power distribution providing real-time remote monitoring

Switched PDUs - Distribution of the Premium power supply remote control of individual sockets and monitoring of overall current consumption.

	Mounting	Input				Output
		Voltage	Current	Input connection		Output connections
BASIC						
EPDU1010B-SCH - 8411663	Horizontal	1U	230 V	10A	IEC-320 C14 - 1 x 2.5 m cable	6 x Schuko CEE 7
EPDU1016B - 8438447	Horizontal	1U	230 V	16A	IEC-320 C20 · 1 x 2.5 m cable	8 x IEC 320 C13
EPDU1116B - 8438448	Vertical	0U	230 V	16A	IEC 309 16A 2P+E · 1 x 3 m cordset	20 x IEC 320 C13 4 x IEC 320 C19
EPDU116B-SCH - 8438449	Vertical	0U	230 V	16A	Schuko CEE 7/EU1-16P	14 x Schuko CEE 7
EPDU1132B - 8438450	Vertical	0U	230 V	32A	IEC 309 32A 2P+E · 1 x 3 m cordset	20 x IEC 320 C13 4 x IEC 320 C19
EPDU1132B-SCH - 8438451	Vertical	0U	230 V	32A	IEC 309 32A 2P+E · 1 x 3 m cordset	21 x Schuko CEE 7
EPDU1216B - 8438452	Vertical	0U	400 V	16A	IEC 309 16A 3P+N+PE · 1 x 1.98 m cable	36 x IEC 320 C13 6 x IEC 320 C19
EPDU1232B - 8438453	Vertical	0U	400 V	32A	IEC 309 32A 3P+N+PE · 1 x 2 m cable	30 x IEC 320 C13 12 x IEC 320 C19
METERED						
EPDU1016M - 8438454	Horizontal	1U	230 V	16A	IEC-320 C20 · 1 x 2.5 m cable	8 x IEC 320 C13
EPDU1116M - 8438455	Vertical	0U	230 V	16A	IEC 309 16A 2P+E · 1 x 3 m cordset	18 x IEC 320 C13 3 x IEC 320 C19
EPDU1132M - 8438456	Vertical	0U	230 V	32A	IEC 309 32A 2P+E · 1 x 3 m cordset	20 x IEC 320 C13 4 x IEC 320 C19
EPDU1216M - 8438457	Vertical	0U	400 V	16A	IEC 309 16A 3P+N+PE · 1 x 1.98 m cable	21 x IEC 320 C13 3 x IEC 320 C19
EPDU1232M - 8438458	Vertical	0U	400 V	32A	IEC 309 32A 3P+N+PE · 1 x 2 m cable	18 x IEC 320 C13 6 x IEC 320 C19
SWITCHED						
EPDU1016S - 8438459	Horizontal	1U	230 V	16A	IEC-320 C20 · 1 x 2.5 m cable	8 x IEC 320 C13
EPDU1132S - 8438461	Vertical	0U	230 V	32A	IEC 309 32A 2P+E · 1 x 3 m cordset	20 x IEC 320 C13 4 x IEC 320 C19
EPDU1232S - 8438489	Vertical	0U	400V	32A	IEC 60309 32A 3P+N+PE - 1 x 2m cordset	18 x IEC 60320 C13 + 6 x IEC 60320 C19

EPDU1016B

EPDU1016M

Micro 6U Datacenter

Catalog Number	AR106VI - 7233183
Output power supply capacity	500 VA at 1.5 kVA
Rack space	6U in total; 4U with inverter
Load capacity	113 kg in total
Maximum depth of device	762 mm
On-site power supply required	230 V, 50 Hz
Socket required on site	IEC320 C14 data sheet
UPS type(s)	Line Interactive, on-line, lithium
PDU type(s)	Basic, measured, monitored
Dimensions (without castors)	650 mm x 969 mm x 331 mm
Weight (casing only)	36 kg
Fans	Qty 2 - 104 L/s
Filter	Replaceable: G3

Accessories (option)	Castors, covers, cable gland brushes
Environmental monitoring (optional)	Temperature/humidity, water leakage wireless temperature sensor/transmitter
Safety	Standard: lock doors/panels Options: door contacts, surveillance cameras
Remote monitoring (optional)	EcoStruxure IT Expert/Asset Advisor (mobile phone, tablet, web)
Compliance	UL2416 approval
Warranty	Factory guarantees for components

Transfer Switches Overview

A "zero cut" transfer

The "zero cut" system ensures that the sources are not paralleled at the time of transfer, thus avoiding the propagation of a fault between sources.

Source A is providing power to the outlets, while Source B is isolated from the system.
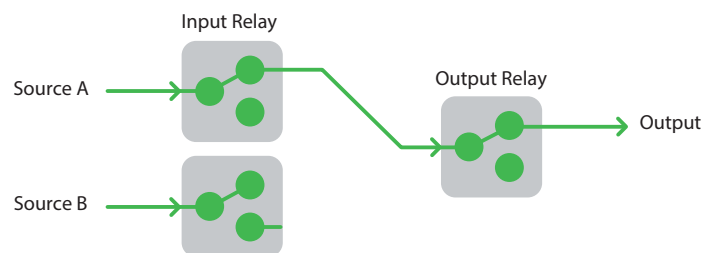
Firmware detects that source A is out of the user specified tolerance range. The input power Source A is removed, then the output is disconnected. This allows for out-of-phase switching and significantly reduces the opportunity for relay welding. Crucial timing is controlled through the firmware.
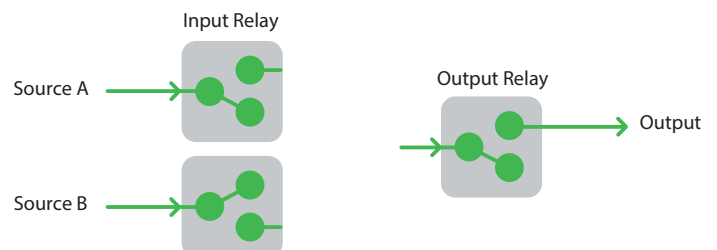
Relays are engaged and power is transferred to Source B. Total transfer time typically is 8-12 ms.
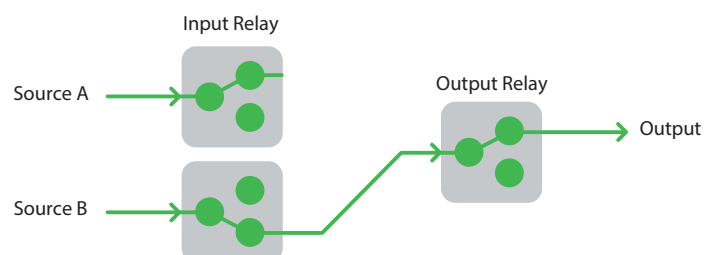
Automatic Transfer Switch (ATS) Rack-mounted
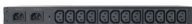
Applications
• Network server cabinets, rack cabinets

Technical Characteristics
• Creates single-phase feed redundancy
• Double feed
• Web interface, Network Management Card (SNMP) or Telnet
• 19'' Rack
• Standard: EN 55022 Class A, FCC Part 15 Class A
• EcoStruxure™ IT Compatible

	AP4421A	AP4423A	AP4424A
E-Number	8438486	8438487	8438488
Input			
Voltage	230 V		
Voltage Tolerance	± 10%		
Frequency	50/60 Hz		
Rated Current	10 A	16 A	32 A
Load Capacity	2000 VA	3700 VA	7400 VA
Input Connection	2 x IEC 320 C14	2 x IEC C20	2x IEC 309
Output			
Voltage	230 V		
Rated Current	10 A	16 A	32 A
Output Connection	12 x IEC C13	8 x C13 + 1 x C19	16 x IEC C13 + 2 x IEC C19
Communication			
Communication	Network Management Card (SNMP)		
Warranty			
Standard Warranty	2 years		
Weight and Dimensions			
Weight	3,9 kg	3,7 kg	6,9 kg
Dimensions (HxLxW)	44 x 432 x 236 mm		88 x 432 x 236 mm
Height (in U)	1U		2U

Easy UPS BVS-PDR Series   24V DC

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

Technical Characteristics

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.

	⚠ Power Module Only	⚠ Power Module Only
Power Rating (kVA)	BVS240XDPDR	BVS480XDPDR
E-Number	8411649	8411650
Output		
Output Power Capacity	240 W	480 W
Nominal Output Voltage	24V DC	
Output Current	10 A	20 A
Output Connections	Terminal Block Dinkle ESK635V-04P	
Overcurrent / Short Circuit Protection	Yes	
Efficiency	≥ 95%	
Input		
Nominal Input Voltage	24V DC	
Input Voltage Range	21.5 - 28.6V DC	
Nominal Input Current	10 A	20 A
Input Connections	Terminal Block Dinkle ESK635V-04P	
Optional Power Supply 230V	ABLS1A24100 - 2721355	ABLS1A24200 - 2721356
Batteries and runtime		
External Battery Pack SKU	XB005XPDR - 8411651	
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	
Communications and management		
Display	LED	
Relay Contact Terminal Connections	Yes (30 VDC and 1A rated)	
Audible Alarms	No	
Remote On/Off	Yes	
Physical		
Mount type	DIN Rail	
Environment		
Ambient temperature	-15 °C to 50 °C	
Relative Humidity	0-95% non-condensing	
Operating Altitude	0 to 3000m without derating	
Audible Noise (at 1m from unit)	< 40 dB	
Regulatory		
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	
Conformance	RoHS, REACH and WEEE	
Warranty		
Standard Warranty	2-year on UPS and 1-year on battery	
Dimensions		
Power Module Dimensions H x W x D	119 x 40 x 129 mm	
Power Module Net weight	0.5 kg	
Battery Pack Dimension H x W x D	119 x 192.4 x 129 mm	
Battery Pack Net weight	4.8 kg	

Easy UPS BVS-PDR Series   24V DC

24V DC Input
Connect the appropriate AC/DC or DC/DC power supply for your application.

24V 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.

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

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:

230V → 24V DC →

- HMI Panels
- PLCs & PACs
- Industrial PCs
- HMI Controllers
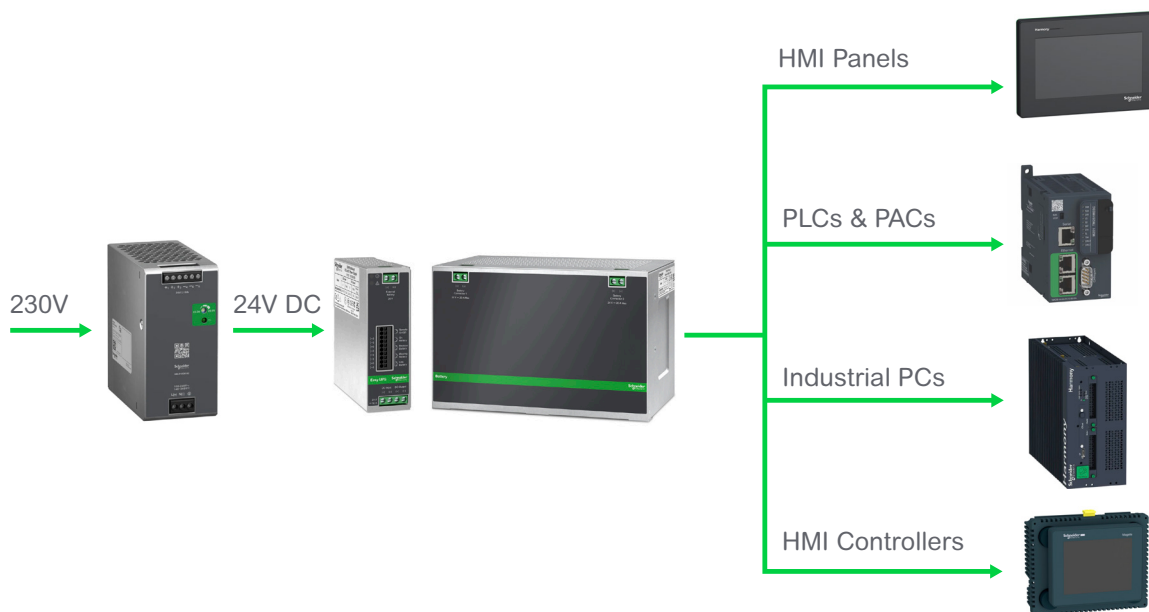
Three Phase On-line Double Conversion UPS Selection Guide

2 ranges of UPS to cover three-phase needs:

- The Easy UPS range covers the essential needs of critical applications for users looking to achieve a good three-phase investment/performance ratio.
- The Galaxy UPS range covers the demanding needs of highly critical applications, with the benefits of the highly energy-efficient eConversion™ mode.

	EASY UPS		
	Easy UPS 3S	**Easy UPS 3M**	**Easy UPS 3L**
Technical Characteristics			
Input Voltage	380 - 400 - 415 V	380 - 400 - 415 V	380 - 400 - 415 V
Power range	10 to 40 kVA	60 to 200 kVA	250 to 600 kVA
	10 to 40 kW	60 to 200 kW	250 to 600 kW
	●	●●	●●●
eConversion			
Format			
Tower	✓	✓	✓
Communication			
Audible Alarms	✓	✓	✓
Status LED	✓	✓	✓
LCD Screen	✓	✓	✓
Network Management Card (SNMP)	✓	✓	✓
Application Areas			
Commercial & Industrial Applications	✓	✓	✓
Mid-size Data Centers	✓	✓	
Data Centers			
High Power Industrial Environments		✓	✓
Green Premium			

Three-phase UPS

We recommend commissioning of all three phase UPS by a Schneider Electric technician and it is mandatory for all UPS >40kVA. Please contact Schneider Electric for more information.

Tip - eConversion mode provides very high efficiency performance up to 99% with the same electrical availability. A massive ally for saving energy.

	GALAXY		
• eConversion Technology • Fault Tolerant Modular Design • Compatible with Li-ion Batteries •	Galaxy VS	Galaxy VL	Galaxy VX
Technical Characteristics			
Input Voltage	380 - 400 - 415 V	380 - 400 - 415 V	380 - 400 - 415 V
Power range	20 to 150 kVA	200 to 500 kVA	500 to 1500 kVA
	20 to 150 kW	200 to 500 kW	500 to 1500 kW
	●●	●●●	●●●●
eConversion	Yes	Yes	Yes
Format			
Tower	✓	✓	✓
Communication			
Audible Alarms	✓	✓	✓
Status LED	✓	✓	✓
LCD Screen	✓	✓	✓
Network Management Card (SNMP)	✓	✓	✓
Application Areas			
Industrial Applications	✓		
Mid-size Data Centers	✓		
Data Centers	✓	✓	✓
High Power Industrial Environments	✓	✓	✓
Green Premium	✓	✓	

Easy UPS 3S

from 10 to 40 kVA

Easy to install three-phase protection - in a compact size.

Applications
- Commercial: small and medium buildings
- Industrial applications

Technical Characteristics
- Easy UPS 3S is easy to install and start up
- Minimal footprint requirement with lightweight compact form factor
- Parallel up to 4 UPSs for capacity or redundancy
- Up to 96% efficiency in double-conversion mode and up to 99% in ECO-Mode
- Power factor of 1 (kVA = kW)
- Automatic and manual bypass
- Multi-function LCD screen

> Complies with EN 50171 standard : European standard which defines the general requirements for sources of autonomous safety feed for safety lighting systems in places open to the public such as: Hotels, cinemas, stations, museums, stadiums, concert halls, and universities.

For Standard Runtime

UPS
3-phase/3-phase 0 min
- E3SUPS10KHB* (8411658)
- E3SUPS15KHB* (8411659)
- E3SUPS20KHB* (8411660)
- E3SUPS30KHB* (8411661)
- E3SUPS40KHB* (8411662)

UPS
3-phase/1-phase 0 min
- E3SUPS10K3IB* (8411678)
- E3SUPS15K3IB* (8411679)
- E3SUPS20K3IB* (8411680)
- E3SUPS30K3IB* (8411681)

Battery Pack E3SBT4 (8411640)

Easy UPS 10-20 kVA with internal batteries

Easy UPS 30-40 kVA with internal batteries

For Extended Runtime

UPS
3-phase/3-phase 0 min
- E3SUPS10KHB* (8411658)
- E3SUPS15KHB* (8411659)
- E3SUPS20KHB* (8411660)
- E3SUPS30KHB* (8411661)
- E3SUPS40KHB* (8411662)

UPS
3-phase/1-phase 0 min
- E3SUPS10K3IB* (8411678)
- E3SUPS15K3IB* (8411679)
- E3SUPS20K3IB* (8411680)
- E3SUPS30K3IB* (8411681)

Battery Extension Cabinet E3SXR6 (8411682)
Up to 4 cabinets
6 rows available,
1 E3SBT4 battery pack

Battery Pack E3SBT4 (8411640)

Easy UPS 10 kVA with internal batteries

Battery Extension Cabinet with internal batteries

	⚠ Power Module Only	⚠ Power Module Only	⚠ Power Module Only	⚠ Power Module Only	⚠ Power Module Only
References 3:3*	E3SUPS10KHB	E3SUPS15KHB	E3SUPS20KHB	E3SUPS30KHB	E3SUPS40KHB
EL Number	8411658	8411659	8411660	8411661	8411662
References 3:1*	E3SUPS10K3IB	E3SUPS15K3IB	E3SUPS20K3IB	E3SUPS30K3IB	
EL Number	8411678	8411679	8411680	8411681	
Power Rating (kVA)	10 kVA	15 kVA	20 kVA	30 kVA	40 kVA
Power Rating (kW)	10 kW	15 kW	20 kW	30 kW	40 kW
Input					
Number of Phases	3PH+N				
Voltage	380/400/415V				
Voltage Range	304V to 477V at full load				
Frequency	45 - 65 Hz				
Power Factor	Up to 0.99				
THDI	<3.5% at full load				
Double Input	Yes (default, common network 1 and network 2 configuration)				
Output					
Number of Phases	3PH+N or 1PH+N				
Voltage	380/400/415V or 220/230/240V, +/-1,5%				
Efficiency: Double Conversion Mode	Up to 96%				
Efficiency: Eco-Mode	Up to 99%				
Overload Capacity	125% for 10 minutes, 150% for 60 seconds				
Communication					
Control Panel	Multi-function LCD screen				
Emergency Power Off (EPO)	Yes				
Communication	RS232, RS485, USB, Dry contacts, Network Management Card (SNMP)				
Environment					
Operating Temperature	From 0°C to 40°C				
Relative Humidity Rate	0 to 95% non-condensing				
Operating Elevation	From 0 to 1000m at 100 % load				
Sound Level	60 dB at 100 % load			63 dB at 100 % load	
Level of Protection	IP20 (integrated and replaceable dust filters)				
Colour	White (RAL 9003)				
Warranty					
Standard Warranty	1 year				

Easy UPS 3S — from 10 to 40 kVA

References 3:3*	E3SUPS10KHB	E3SUPS15KHB	E3SUPS20KHB	E3SUPS30KHB	E3SUPS40KHB
E-Number	8411658	8411659	8411660	8411661	8411662
References 3:1*	E3SUPS10K3IB	E3SUPS15K3IB	E3SUPS20K3IB	E3SUPS30K3IB	-
E-Number	8411678	8411679	8411680	8411681	

Battery Pack

	Standard Capacity Battery Options									
Battery Pack	E3SBT4 - 8411640									
Battery Extension Cabinet	E3SXR6 - 8411682									
	No. E3SBT4	Runtime (at 75% load)	No. E3SBT4	Runtime (at 75% load)	No. E3SBT4	Runtime (at 75% load)	No. E3SBT4	Runtime (at 75% load)	No. E3SBT4	Runtime (at 75% load)
Runtime depending on the number of standard capacity battery packs E3SBT4 with the UPS	1	13 min	1	7 min	1	N/A	1	N/A	1	N/A
	2	33 min	2	19 min	2	12 min	2	7 min	2	N/A
	3	55 min	3	33 min	3	22 min	3	13 min	3	8 min
							4	19 min	4	13 min
Runtime depending on the number of E3SBT4 standard battery packs with 1 extended battery cabinet E3SXR6	4	1h 19min	4	47 min	4	33 min	5	26 min	5	17 min
	5	1h 40min	5	1h 3min	5	44 min	6	33 min	6	22 min
	6	2h 10min	6	1h 19min	6	55 min	7	40 min	7	27 min
	7	2h 35min	7	1h 36min	7	1h 7min	8	47 min	8	33 min
	8	3h 5min	8	1h 50min	8	1h 19min	9	55 min	9	38 min
	9	3h 30 min	9	2h 10min	9	1h 31min	10	1h 3min	10	44 min
Runtime depending on the number of E3SBT4 battery packs with 2 extended battery cabinets E3SXR6	10	-	10	2h 25min	10	1h 40min	11	1h 11min	11	49 min
	11	-	11	2h 45min	11	1h 55min	12	1h 19min	12	55 min
	12	-	12	3h 5min	12	2h 10min	13	1h 27min	13	1h 1min
	13	-	13	3h 20min	13	2h 20min	14	1h 36min	14	1h 7min
	14	-	14	3h 40min	14	2h 35min	15	1h 40min	15	1h 13min
	15	-	15	4h	15	2h 55min	16	1h 50min	16	1h 19min

	High Capacity & Long Life Battery Options									
Battery Pack	E3SBTH4 (8411641) or GVSBTH4LL (8411613)									
Battery Extension Cabinet	E3SXR6 - 8411682									
	No. E3SBTH4 or GVSBTH-4LL	Runtime (at 75% load)	No. E3SBTH4 or GVSBTH-4LL	Runtime (at 75% load)	No. E3SBTH4 or GVSBTH-4LL	Runtime (at 75% load)	No. E3SBTH4 or GVSBTH-4LL	Runtime (at 75% load)	No. E3SBTH4 or GVSBTH-4LL	Runtime (at 75% load)
Runtime depending on the number of standard capacity battery packs E3SBTH4 or GVSBTH4LL with the UPS	1	16 min	1	9min	1	5min	1	N/A	1	N/A
	2	39min	2	23min	2	16min	2	9min	2	6min
	3	1h 5min	3	39min	3	27min	3	16min	3	11min
Runtime depending on the number of E3SBTH4 or GVSBTH4LL battery packs with 1 extended battery cabinet E3SXR6	4	1h 33min	4	56min	4	39min	4	23min	4	16min
	5	2h 0min	5	1h 14min	5	52min	5	31min	5	21min
	6	2h 30min	6	1h 33min	6	1h 5min	6	39min	6	27min
	7	3h 0min	7	1h 50min	7	1h 19min	7	48min	7	33min
	8	3h 30min	8	2h 10min	8	1h 32min	8	56min	8	39min
	9	4h 5min	9	2h 30min	9	1h 45min	9	1h 5min	9	46min
Runtime depending on the number of E3SBTH4 or GVSBTH4LL battery packs with 2 extended battery cabinet E3SXR6	10	x	10	3h 5min	10	2h 0min	10	1h 14min	10	52min
	11	x	11	3h 30min	11	2h 15min	11	1h 23min	11	59min
	12	x	12	3h 50min	12	2h 30min	12	1h 33min	12	1h 5min
	13	x	13	4h 15min	13	2h 45min	13	1h 40min	13	1h 12min
	14	x	14	4h 40min	14	3h 0min	14	1h 50min	14	1h 19min
	15	x	15	5h	15	3h 15min	15	2h 0min	15	1h 26min

Weight & Dimensions

UPS Weight (without batteries)	112 kg	112 kg	122 kg	152 kg	158 kg
UPS Dimensions (HxLxW)	1400 x 380 x 928 mm			1400 x 500 x 969 mm	
Composition of Battery Pack E3SBT4/E3SBTH4	4x E3SBTU/E3SBTHU battery modules battery modules				
Battery Module Weight E3SBTU/E3SBTHU	27 kg				
Battery Module Dimensions E3SBTU/ES3BTHU	157 x 107 x 760 mm				
Composition of Battery Pack GVSBTH4LL	4x GVSBTH4LL battery modules				
Battery Module Weight GVSBTHULL	27,5 kg				
Battery Module Dimensions GVSBTHULL	157 x 107 x 760 mm				
Installing Battery Modules in the UPS	Vertically			Horizontally	
Extended Battery Cabinet E3SXR6 Weight	125 kg				
Extended Battery Cabinet E3SXR6 Dimensions (HxLxW)	1400 x 500 x 969 mm				

Commissioning

Commissioning	Recommended, please contact Schneider Electric for more information

Options

Network Management Card (SNMP)	E3SOPT001 - 8411633				
External Bypass for a single UPS (3:3)	GVSBPSU10K20H 8411588	GVSBPSU10K20H 8411588	GVSBPSU20K60H 8411589	GVSBPSU20K60H 8411589	GVSBPSU20K60H 8411589
External Bypass for a single UPS (3:1)	GVSBPSU20K60H 8411589	GVSBPSU20K60H 8411589	GVSBPSU20K60H 8411589	GVSBPSU80K120H 8411590	

* The UPS alone has no runtime, it must therefore be systematically associated with battery packs.

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