Schneider Electric Easy UPS 1 Phase Online

Family Brochure

For IT professionals in small to medium businesses, Easy UPS Online provides basic power protection in unstable power conditions, ensuring consistent and reliable connectivity at the most critical moments.

Schneider Electric Easy UPS Online is a versatile, high-quality, cost competitive UPS developed to handle a wide voltage range and inconsistent power conditions, delivering the quality millions of IT professionals around the world trust.

www.se.com

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Easy UPS 1 Ph Online Features

- ➢ Tower Models (standard & extended runtime)
    - ➢ Available in 1, 2, 3, 6, 10 KVA
- ➢ Rack Models (standard & extended runtime)
    - ➢ Standard available in 1, 2, 3, 6, 10 KVA
    - ➢ Extended available in 6 & 10 KVA

Extended Runtime Models Available
Add external battery packs to scale runtime from minutes to hours, fulfilling the needs of long runtime applications

ECO Mode / Green Mode
Energy saving mode allows input voltage regulation range to be be set/modified through the LCD display

Generator Compatible
Ensures clean, uninterrupted power to the loads during an extended power outage

High Power Factor
More real output power in watts: 0.8 PF for 1, 2 & 3 kVA, unity PF for 6 & 10 kVA

Environmentally Robust
Conformal coated

Intelligent Battery Management
Maximizes battery performance through intelligent precision temperature compensated charging

Overvoltage Cutoff Device Protection
Under special application with high voltage condition, OVCD protection will prevent the damage of UPS components and extend UPS lifespan

Input Power Factor Correction
Minimizes installation costs by enabling the use of smaller generators and cabling

Excellent Power Quality and Performance
True Double Conversion provides tight voltage, frequency regulation and zero transfer time for reactive loads

Wide Input Voltage Range
60% Load: 110-300VAC
(applicable to 6 & 10 kVA models)
Allows for unstable power environments and minimizes transfer to battery

USB Port / Serial Port
Provides management of the UPS via USB/serial communication

Flash Upgradeable Firmware
Allows for field updates of firmware via communication ports

LCD/LED Display
Intuitive interface provides detailed and accurate information about UPS status with ability to configure locally

Power Conditioning
Protects connected loads from surges, spikes, lightning and other power disturbances

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Easy UPS 1 Ph Online Additional Features

Built-in Automatic Bypass
Ensures seamless power to the load even in the event of catastrophic UPS failure

Emergency Power Off (EPO)
Immediately remove power to all connected equipment in the event of emergency (applicable to standard & extended runtime 6 & 10 kVA models)

Safety Agency Approved
Tested and approved to work with the connected service provider equipment and within the specified environment

Easy Remote Management
Ability to remotely manage and communicate directly with your UPS using Dry Contact Card, SNMP Card and Modbus Protocol.

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Easy UPS Online LCD Display

LCD Display

1. On/Off Status LED: indicates power is ON

2. On/Off Button: Press to turn UPS On or OFF

3. Alert LED: lashes red when UPS has a notification or is steady state when there is a fault

4. Mute/ESC button: Mutes alarm and serves as the Escape key when in the sub menus of the display

5. Enter Key: Press to enter the display menus and choose an option within the menu

6. Up/Down Arrows: Navigate keys through the display menus

LCD Display Icons

Icon	Description
ON LINE	UPS is on utility power
ON BATT	UPS is on battery
BYPASS	UPS is in bypass mode
ON BATT	Replace battery
ALARM	An internal fault is detected
(overload icon)	Overload- connected load is drawing more than the power rating
LOW (battery bars)	Battery charge
LOAD SENSITIVITY	Load level
(mute icon)	Mute: audible alarm disabled
EVENT LOG	Event: illuminated when the user is reviewing the event log
SEE MANUAL	Alert: UPS has detected error. Please see user's manual for details
(leaf icon)	ECO mode: illuminated when the unit provides utility power and power is within configured ranges

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Easy UPS Online Management Accessories

Additional solution enhancement options

Dry Contact Card (VGLS9901I)

The UPS management accessory provides two dry contact inputs and one relay output interface to Easy UPS SRV series.

Ideal applications:

- IBM server, personal PC and workstation equipment

- Auto-controlled industrial equipment and communication applications

UPS Dry Contact Card
VGLS9901I

SNMP Card (APVS9601)

SNMP Card provides direct communication with your Schneider Electric Easy UPS and monitors the following:

- UPS status: load, battery charge, voltage

- Battery status: healthy, capacity & runtime

- Shutdown Wizard: remotely shuts down and reboots server

UPS Network Management Card: APVS9601

Modbus Card (SRVSMB001)

Easy Management Modbus Card provides UPS and PV inverter systems with the functionality of communication with PCs.

Features:
- Remotely manage UPS
- Schedule automatic shutdowns
- Customizable actions in case of power problems

SRVSMB001

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Easy UPS Online Accessories (Continued)

Additional solution enhancement options

Rail Kits (SRVSRK1, SRVSRK2)

Schneider Electric Easy UPS Rail Kit provides simple rack mount installation, allowing for easy UPS maintenance while minimizing space needed.

SRVSKR1:
- Rail Kit for UPS / Battery Pack (700mm)

SRVSKR2
- Rail Kit for Battery Pack (900mm)

SRVSKR1

SRVSKR2

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Technical Specifications

Easy UPS 1 Ph Online Standard Models (Tower)

Model		SRVS1KI	SRVS2KI	SRVS3KI	SRVS6KI	SRVS10KI
Input	Nominal Input Voltage	230Vac				
	Input Connection	IEC C14		IEC C20	Terminal Block	
	Input Frequency	50/60 Hz				
	Input Voltage Range (60% Load)	110 Vac – 285 Vac			110 Vac – 300 Vac ± 3%	
	Input Power Factor (100% Load)	≥ 0.95			≥ 0.99	
Output	Topology	Online				
	Output Power Capacity (Watts)	800 W	1600 W	2400 W	6000 W	10000 W
	Output Power Capacity (VA)	1000 VA	2000 VA	3000 VA	6000 VA	10000 VA
	Output Voltage	220/230/240VAC				
	Frequency (Battery Mode)	50/60Hz +/- 0.5%			50/60Hz +/- 0.1 Hz	
	Waveform Type	Pure Sinewave				
	Output Voltage Regulation	± 1%				
	Transfer Time (AC to DC)	Zero				
	Total Output Connections	IEC 3*C13	IEC 4*C13	IEC 6*C13+1*C19	Terminal Block	
	Efficiency (AC Mode)	88%			94%	
	Current Crest Ratio	3:1				
Battery	Battery Type	12 V / 9 AH X 2	12 V / 9 AH X 4	12 V / 9 AH X 6	12 V / 7 AH x 16	12 V / 9 AH x 16
	Typical Recharge Time	4 hours recover to 90% capacity			3 hours recover to 90% capacity	
Runtime Estimates	Half Load (min)	11			12.2	10
	Full Load (min)	4			4	3
Physical	Dimension, D X W X H (mm)	288 x 145 x 223	400 x 145 x 238	425 x 190 x 336	374 x 190 x 685	447 x 190 x 685
	Weight (kgs)	9.3	16.8	26.8	54	65
Features	LED	✓			✓	✓
	LCD	Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators				
	EPO	-			✓	✓
	USB Communication Port	✓			✓	✓
	Intelligent Slot	Yes				
	DB-9 RS-232	Supports Windows 2000/2003/XP/Vista/2008/7/8/10				
	Input Breaker	✓			✓	✓
	Battery User Disconnector	✓			✓	✓
	Manual Maintenance Bypass	-			✓	✓
Protection	Surge Energy Rating (Joules)	600 J				
Environment	Humidity	0 to 95% relative humidity, noncondensing				
	Temperature	0° to 40°C at rated load			0° to 40°C at rated load	
	Noise Level	Less than 50dBA			Less than 55dB	Less than 58dB
Conformance	Regulatory Approvals	CE				
	Warranty	2 years				

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Technical Specifications

Easy UPS 1 Ph Online Extended Runtime Models (Tower)

Model		SRVS1KIL	SRVS2KIL	SRVS3KIL	SRVS6KIL	SRVS10KIL
Input	Nominal Input Voltage	230Vac				
	Input Connection	IEC C14	IEC C14	IEC C20	Terminal Block	
	Input Frequency (V)	50Hz / 60 Hz				
	Input Voltage Range (60% Load)	110 Vac – 285 Vac			110 Vac – 300 Vac ± 3%	
	Input Power Factor (100% Load)	≥ 0.95			≥ 0.99	
Output	Topology	Online				
	Output Power Capacity (Watts)	800 W	1600 W	2400 W	6000 W	10000 W
	Output Power Capacity (VA)	1000 VA	2000 VA	3000 VA	6000 VA	10000 VA
	Output Voltage	220/230/240VAC				
	Frequency (Battery Mode)	50/60Hz +/- 0.5%			50/60Hz +/- 0.1 Hz	
	Waveform Type	Pure Sinewave				
	Output Voltage Regulation	± 1%				
	Transfer Time (AC to DC)	Zero				
	Total Output Connections	IEC C13*3	IEC C13*4	IEC C13*6 + IEC C19*1	Terminal Block	
	Efficiency (AC Mode)	88%			94%	
	Current Crest Ratio	3:1				
External Battery Pack	Charging Current	4A			1 to 4 A (adjustable)	
	Battery Type	Maintenance-free sealed Lead-Acid battery				
	Part Number	**SRVS36BP-9A**	**SRVS72BP-9A**	**SRVS72BP-9A**	**SRVS240BP-9A**	**SRVS240BP-9A**
Physical	Dimension, D X W X H (mm) — Power Module	288 x 145 x 223	400x 145 x 238	400x 145 x 238	374 x 190 x 336	447x 190 x 336
	Dimension, D X W X H (mm) — Battery Pack	400 x 145 x 238	425 x 190 x 336	425 x 190 x 336	485 x 190 x 368	485 x 190 x 368
	Weight (kgs) — Power Module	4.4	7.1	7.8	13	16.5
	Weight (kgs) — Battery Pack	19.6	38	38	60	60
Features	LED	✓	✓	✓	✓	✓
	LCD	Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators				
	EPO	-	-	-	✓	✓
	USB communication port	✓	✓	✓	✓	✓
	DB-9 RS-232	Supports Windows 2000/2003/XP/Vista/2008/7/8/10				
	Input Breaker	✓	✓	✓	✓	✓
	Intelligent Slot	✓	✓	✓	✓	✓
	Battery user disconnector	✓	✓	✓	✓	✓
	Manual Maintenance Bypass	-	-	-	✓	✓
Protection	Surge Energy Rating (Joules)	600 J				
Environment	Humidity	0 to 95% relative humidity, non-condensing				
	Temperature	0° to 40°C at rated load				
	Noise Level	Less than 50dB			Less than 55dB	Less than 58dB
Conformance	Regulatory Approvals	CE				
	Warranty	2 Years				

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Technical Specifications

Easy UPS 1 Ph Online Extended Runtime Models (Rack Mount)

Model		SRVS6KRILRK	SRVS10KRILRK
Input	Nominal Input Voltage	230Vac	
	Input Connection	Terminal Block	
	Input Frequency	50 Hz / 60 Hz	
	Input Voltage Range (60% Load)	110 Vac – 300 Vac ± 3%	
	Input Power Factor (100% Load)	≥ 0.99	
Output	Topology	Online	
	Output Power Capacity (Watts)	6000 W	10000 W
	Output Power Capacity (VA)	6000 VA	10000 VA
	Output Voltage	220 / 230 / 240 VAC	
	Frequency (Battery Mode)	50/60Hz +/- 0.1 Hz	
	Waveform Type	Pure Sinewave	
	Output Voltage Regulation	± 1%	
	Transfer Time (AC to DC)	Zero	
	Total Output Connections	Terminal Block	
	Efficiency (AC Mode)	94%	
	Current Crest Ratio	3:1	
External Battery Pack	Charging Current	1 to 4 A (adjustable)	
	Battery Type	Maintenance-free sealed Lead-Acid battery	
	Part Number	**SRVS240RLBP-9A**	**SRVS240RLBP-9A**
Physical	Dimension, D X W X H (mm) — Power Module	615 x 438 x 86.5 (2U)	615 x 438 x 86.5 (2U)
	Dimension, D X W X H (mm) — Battery Pack	606 x 438 x 131 (3U)	606x 438 x 131 (3U)
	Weight (kgs) — Power Module	14	16
	Weight (kgs) — Battery Pack	63	63
Features	LED	✓	✓
	LCD	Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators	
	EPO	✓	✓
	USB communication port	✓	✓
	DB-9 RS-232	Supports Windows 2000/2003/XP/Vista/2008/7/8/10	
	Input Breaker	✓	✓
	Intelligent Slot	✓	✓
	Battery user disconnector	✓	✓
Protection	Surge Energy Rating (Joules)	600J	
Environment	Humidity	0 to 95% relative humidity, non-condensing	
	Temperature	0° to 40°C at rated load	
	Noise Level	Less than 55dB	Less than 58dB
Conformance	Regulatory Approvals	CE	
	Warranty	2 Years	

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