



APC[™]

Easy UPS On-Line 230 V

Product Brochure

For IT professionals in small to medium businesses, APC[™] Easy UPS On-Line provides advanced power protection in unstable power conditions, ensuring consistent and reliable connectivity.

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

That's Certainty in a Connected World.

apc.com



Life Is 

Schneider
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APC Easy UPS On-Line Features



Wide kVA Range of Products

Easy UPS On-Line is capable of supporting wide range of loads from 1 kVA up to 20 kVA.



Versatile Design

Rackmount and tower installation options enables flexible setup.



Extended Runtime

Extended runtime with up to 4 external battery packs caters the needs of long runtime applications.



Simplified Monitoring and Management

PowerChute™ Serial Shutdown software provides graceful unattended shutdown of servers and workstations using serial or USB cables and helps prevent data corruption and costly equipment damage.

Optional Network Management Card (part number AP9544 sold separately) supports network-based monitoring of Easy UPS On-Line.

Intuitive LCD Display



1. On/Off status: Indicates power is ON
2. On/Off button: Press to turn ON or OFF
3. Alert LED: Flashes red when UPS has a notification or is in steady state when there is an alert
4. Mute/Esc button: Mutes audible alarm and serves as the Escape key when in the sub menu display
5. Enter key: Press to enter the display menus and choose options.

6. UP/Down arrows: Navigate keys through the display menus

APC Easy UPS On-Line Features & Applications

Standard Models

Built-in batteries for Plug-and-Play will provide a ~2 to 4 min typical battery backup power for the connected equipment at full load.

Extended Runtime Models

Extended runtime models have the capability to add external battery packs to scale runtime from minutes to hours, making them ideal for mixed load applications.

Features

True on-line double-conversion

Ensures clean, reliable power supply to essential loads from brownouts, line noise, voltage transients and power outages.

High Power Factor

- 0.8 PF for 3000 VA and below
 - Unity PF, VA = Watt for 5000 to 20,000 VA
- Powers more servers than similar UPSs with equivalent VA ratings and lower power factors.

Built-in Automatic Bypass

Ensures seamless power to the load even in the event of UPS internal detected fault or error.

Cold Start Capability

Enables user to power up connected equipment's on battery mode when utility power is not available.

High Efficiency

Up to 88 – 94% efficiency in on-line double-conversion mode and 94 – 97% in ECO mode which saves utility and cooling costs without compromising performance or reliability.

Environmentally Robust

Conformal coated to help protect the components from the elements, including moisture, dust and extreme temperatures.

Wide Input Voltage Range

1000 – 3000 VA/110 – 285 Vac,
5000 to 20,000 VA/110 – 300 Vac, works in unstable power conditions and minimizes transfer time to battery.

LCD/LED Display

Intuitive interface provides detailed and accurate information about UPS status with ability to configure locally.

Generator Compatible

Generator-compatible with a wide Input Frequency range (40 – 70 Hz) ensures clean, uninterrupted power to the loads during power outage.

Emergency Power Off (EPO)

Remote UPS shutoff in the event of a fire or other emergency. The UPS can accept normally closed (NC) contacts (on select models only).

1:1, 3:1 input hard-wire options

Product can be wired for 3-PH or 1-PH input (10,000 VA, 15,000 VA and 20,000 VA models only).

2-year warranty on UPS

Comprehensive warranty for electronics and battery functionality provides peace of mind. In an unlikely event of a detected fault or error, your product will be repaired or replaced quickly.

Ideal Applications



Telecommunication



Computer Room



Manufacturing Facility



Small Datacenter



Healthcare IT



Network Storage Devices

Easy UPS On-Line Runtime Estimates

Runtime estimates at half and full load for 1000 VA to 10,000 VA extended runtime models (minutes)

Number of Battery Packs	SRV1KIL SRV1KRIL SRV1KRILRK	SRV2KIL SRV2KRIL SRV2KRILRK	SRV3KIL SRV3KRIL SRV3KRILRK	SRV5KRILRK	SRV6KIL SRV6KRIL SRV6KRILRK	SRV10KIL SRV10KRIL SRV10KRILRK
UPS at half/full loads	400/800	800/1600	1200/2400	2500/5000	3000/6000	5000/10000
(1) Battery pack (default)	52/23	58/26	32/14	26/10	18/6	8/2
(2) Battery packs	114/54	128/60	73/33	61/26	41/18	22/9
(3) Battery packs	179/85	202/95	130/60	100/43	66/29	36/15
(4) Battery packs	246/118	277/131	180/84	141/61	92/42	51/22

Note: For more details, refer to the Runtime graphs available in apc.com.

Runtime estimates at load% for 10,000 VA to 20,000 VA extended runtime models (minutes)

UPS	Number of external battery packs	Runtime in minutes at given load%			
		25%	50%	75%	100%
SRV10KRIL31/ SRV10KRIL31RK	(1) SRV120RLBP2-9A (default)	26	9	5	3
	(2) SRV120RLBP2-9A	61	23	15	9
	(3) SRV120RLBP2-9A	100	42	26	18
	(4) SRV120RLBP2-9A	141	61	37	25
	(5) SRV120RLBP2-9A	184	79	49	34
	(6) SRV120RLBP2-9A	228	100	61	43
	(7) SRV120RLBP2-9A	272	120	74	51
	(8) SRV120RLBP2-9A	316	141	86	61
	(9) SRV120RLBP2-9A	361	162	100	70
	(10) SRV120RLBP2-9A	406	184	114	80
SRV15KRIL/ SRV15KRILRK	(2) SRV120RLBP2-9A (default)	37	15	8	4.7
	(3) SRV120RLBP2-9A	60	26	15	10
	(4) SRV120RLBP2-9A	86	37	22	15
	(5) SRV120RLBP2-9A	112	48	29	20
	(6) SRV120RLBP2-9A	141	61	37	26
	(7) SRV120RLBP2-9A	169	73	44.5	31
	(8) SRV120RLBP2-9A	198	86	52.5	37
	(9) SRV120RLBP2-9A	227.5	99.5	60.5	42.5
	(10) SRV120RLBP2-9A	257	113	69	48.5
	SRV20KRIL/ SRV20KRILRK	(2) SRV120RLBP2-9A (default)	23	8.9	4.7
(3) SRV120RLBP2-9A		42	18	10	6
(4) SRV120RLBP2-9A		61	25	15	9.5
(5) SRV120RLBP2-9A		79	34	20	14
(6) SRV120RLBP2-9A		100	43	26	18
(7) SRV120RLBP2-9A		120	51	31	21.5
(8) SRV120RLBP2-9A		141	61	37	26
(9) SRV120RLBP2-9A		162	70	42.5	29.7
(10) SRV120RLBP2-9A		184	80	48.5	34

Note: Runtime in the table are approximate only. All measurements taken with new, fully charged batteries, at typical environmental conditions, with no electrical input and balanced resistive load (PF = 1.0) output.

Easy UPS On-Line Accessories



Management card: AP9544

Management cards

- AP9544: Network management card for remote monitoring of UPS.
- VGL9901I: Dry contact card to monitor external triggers and initiate actions.
- SRVSMB001: Modbus card for communication with PCs through MODBUS protocol.



Battery pack: SRV72RLBP-9A

External battery packs

- SRV36BP-9A: External battery pack for 1000 VA tower extended runtime UPS.
- SRV72BP-9A: External battery pack for 2000 VA and 3000 VA tower extended runtime UPS.
- SRV240BP-9A: External battery pack for 5000 VA, 6000 VA and 10,000 VA tower extended runtime UPS.
- SRV36RLBP-9A: External battery pack for 1000 VA rack extended runtime UPS.
- SRV72RLBP-9A: External battery pack for 2000 VA and 3000 VA rack extended runtime UPS.
- SRV240RLBP-9A: External battery pack for 5000 VA, 6000 VA and 10,000 VA rack extended runtime UPS.
- SRV120RLBP2-9A: External battery pack for 10,000 VA, 15,000 VA and 20,000 VA (3:1) rack extended runtime UPS.



Battery pack: SRV72BP-9A

Rail kits

- SRVRK1: 700 mm depth rail kit. Can support rack mount installation for standard 19-inch rack equipment with maximum weight of 60 kg.
- SRVRK2: 900 mm depth rail kit. Can support rack mount installation for standard 19-inch rack equipment with maximum weight of 100 kg.



Rail kit: SRVRK2

Replacement Battery Cartridge (RBC)

APC Easy Replacement Battery Cartridges comes fully assembled and can be easily replaced by an APC authorized service technician.

The battery cartridges are compliant with international regulations and safe for transport. For compatible models, refer to the reference table of each series.



RBC: APCRBCV203

Tower Model	Compatible RBC	Rackmount Model	Compatible RBC
SRV1KI	APCRBCV203	SRV1KRI	APCRBCV200
SRV2KI	APCRBCV204	SRV2KRI	APCRBCV201
SRV3KI	APCRBCV205	SRV3KRI	APCRBCV202

Easy UPS Management Solutions

PowerChute™ Serial Shutdown

For Graceful Unattended Shutdown of Servers and Workstations



Key Features

Convenience

- Initial Set-Up Wizard
- SMTP Authentication
- Password Security
- Secure Communication
- Multiple Language Support

Manageability

- Notification
- Data Logging
- Event Logging
- Run Command File
- Multiple Easy UPS Management

Protection

- Load Shedding
- Scheduling Capability
- Operating System Shutdown
- Sequenced Network Shutdown and Reboot
- Outlet Group Control

Compatibility

- System Event Log Integration
- Enterprise Management System Compatible
- PowerChute Serial Shutdown OS Compatibility

Energy Management

- Configurable energy costs
- CO2 emissions reporting
- Energy usage reporting
- Energy cost reporting

Graceful unattended shutdown of servers and workstations using serial or USB cables helps prevent data corruption and costly equipment damage. Learn More on apc.com/pcss.

Optional Easy UPS Network Management Card (AP9544)

Easy UPS Network Management Card (AP9544) allows for secure remote monitoring of an individual UPS via web browser or command line interface.



Key Features

Enhanced Security

- Secure Boot with Root of Trust
- Increased password security with stricter credentials and force password policy configurations
- 3-tier user access (read only, device and administrator)
- Secure access SSH, HTTPS (TLS 1.2)
- Secure file transfer (SCP)
- 2048-bit encryption key support (SSH/web)

Enhanced Performance

- 1 Gigabit Ethernet connection (RJ-45 10/100/1000 Base-T)
- Simultaneous multiple user login: Supports multiple sessions

Enhanced User Experience and Troubleshooting

- Pre-loaded multiple language support
- Micro USB based console

For more information, visit apc.com/secure-nmc.

Standard Tower Models

SKU technical specifications

Product feature	SRV1KI	SRV2KI	SRV3KI	SRV6KI	SRV10KI
Power rating	1000 VA/800 W	2000 VA/1600 W	3000 VA/2400 W	6000 VA/6000 W	10000 VA/10000 W
Input					
Nominal input voltage	230 V				
Input voltage range at full load (half load)	160 – 280 V (110 – 285 V)			176 – 300 V (110 – 300 V)	
Input frequency	40 – 70 Hz auto-selecting				
Input connection	IEC 60320 C14		IEC 60320 C20	Hard wire 3-wire (1P+N+G)	
Output					
Nominal output voltage	230 V (220 V, 240 V user selectable)				
Output frequency	50/60 Hz \pm 3 Hz (On Mains) or 50/60 Hz \pm 0.1 Hz (On Battery)				
Topology	Double-conversion on-line				
Waveform type	Pure sine wave				
Efficiency: Double-conversion mode (typical)	Upto 88%		Upto 90%	Upto 94%	
Efficiency: ECO mode (typical)	Upto 94%			Upto 97%	
Output connections	(3) IEC 60320 C13	(4) IEC 60320 C13	(6) IEC 60320 C13 (1) IEC 60320 C19	(1) Hard wire 3-wire (1P+N+G)	
Battery and Runtime*					
Battery type	Sealed maintenance free valve regulated lead-acid battery (leak proof)				
Battery capacity	12 V 9 Ah (2)	12 V 9 Ah (4)	12 V 9 Ah (6)	12 V 7 Ah (16)	12 V 9 Ah (16)
Battery voltage	24 V	48 V	72 V	192 V	
Typical recharge time	4 hours to recover 90% of capacity				
Runtime at half load (min)	11	12	13	12	10
Runtime at full load (min)	4	4	4	4	3
Communications and management					
Interface ports	Serial RS-232, USB (Type B), Intelligent Slot				
Control panel	LED indicators, multi-function LCD, status and display console				
Emergency Power Off (EPO)	-			Yes (NC contacts)	
Physical					
Dimensions W x H x D (mm)	145 x 223 x 288	145 x 238 x 400	190 x 336 x 425	190 x 685 x 374	190 x 685 x 447
Net weight (kg)	9.3	16.8	25.3	54	65
Color	RAL 7010				
Environment					
Operating temperature	0 to 40 °C				
Relative humidity	0 to 95% non-condensing				
Operating elevation	0 to 2,000 m at 100% load			0 to 1,000 m at 100% load	
Audible noise at 1 m from unit	Less than 50 dBA			Less than 55 dBA	Less than 58 dBA
International Protection Code	IP20				
Conformance					
Regulatory approvals	CE, UKCA, TISI, IEC 62040-1, IEC 62040-2				
Standard warranty	2 years repair or replace				

All specifications are subject to change without prior notice.

* Runtime in the table are approximate only. All measurements taken with new, fully charged batteries, at typical environmental conditions, with no electrical input and balanced resistive load (PF = 1.0) output.

Standard Rack Models

SKU technical specifications

Product feature	SRV1KRI SRV1KRIRK	SRV2KRI SRV2KRIRK	SRV3KRI SRV3KRIRK	SRV5KRIRK	SRV6KRI SRV6KRIRK	SRV10KRI SRV10KRIRK
Power rating	1000 VA/800 W	2000 VA/1600 W	3000 VA/2400 W	5000 VA/5000 W	6000 VA/6000 W	10000 VA/10000 W
Input						
Nominal input voltage	230 V					
Input voltage range at full load (half load)	160 – 280 V (110 – 285 V)			176 – 300 V (110 – 300 V)		
Input frequency	40 – 70 Hz auto-selecting					
Input connection	IEC 60320 C14		IEC 60320 C20	Hard wire 3-wire (1P+N+G)		
Output						
Nominal output voltage	230 V (220 V, 240 V user selectable)					
Output frequency	50/60 Hz ± 3 Hz (On Mains) or 50/60 Hz ± 0.1 Hz (On Battery)					
Topology	Double-conversion on-line					
Waveform type	Pure sine wave					
Efficiency: Double-conversion mode (typical)	Upto 88%		Upto 90%	Upto 94%		
Efficiency: ECO mode (typical)	Upto 94%			Upto 97%		
Output connections	(3) IEC 60320 C13	(4) IEC 60320 C13	(6) IEC 60320 C13 (1) IEC 60320 C19	(1) Hard wire 3-wire (1P+N+G)		
Battery and Runtime*						
Battery type	Sealed maintenance free valve regulated lead-acid battery (leak proof)					
Battery capacity	12 V 9 Ah (2)	12 V 9 Ah (4)	12 V 9 Ah (6)	12 V 7 Ah (16)	12 V 9 Ah (16)	
Battery voltage	24 V	48 V	72 V	192 V		
External battery pack	-			SRV192RBP-7A	SRV192RBP-9A	
Typical recharge time	4 hours to recover 90% of capacity					
Runtime at half load (min)	11	12	13	15	12	10
Runtime at full load (min)	4	4	4	5	4	3
Communications and management						
Interface ports	Serial RS-232, USB (Type B), Intelligent Slot					
Control panel	LED indicators, multi-function LCD, status and display console					
Emergency Power Off (EPO)	-			Yes (NC contacts)		
Physical						
Rack height (U)	2U	2U	2U	4U		
Dimensions W x H x D (mm)	438 x 86 x 312	438 x 86 x 462	438 x 86 x 632	438 x 173 x 710		
Net weight (kg)	10.6	18.7	26.6	61	69	
Color	RAL 7010					
Environment						
Operating temperature	0 to 40 °C					
Relative humidity	0 to 95% non-condensing					
Operating elevation	0 to 2,000 m at 100% load			0 to 1,000 m at 100% load		
Audible noise at 1 m from unit	Less than 50 dBA			Less than 55 dBA	Less than 58 dBA	
International Protection Code	IP20					
Conformance						
Regulatory approvals	CE, UKCA, TISI, IEC 62040-1, IEC 62040-2					
Standard warranty	2 years repair or replace					

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* Runtime in the table are approximate only. All measurements taken with new, fully charged batteries, at typical environmental conditions, with no electrical input and balanced resistive load (PF = 1.0) output.

Extended Runtime Tower Models

SKU technical specifications

Product feature	SRV1KIL	SRV2KIL	SRV3KIL	SRV6KIL	SRV10KIL
Power rating	1000 VA/800 W	2000 VA/1600 W	3000 VA/2400 W	6000 VA/6000 W	10000 VA/10000 W
Input					
Nominal input voltage	230 V				
Input voltage range at full load (half load)	160 – 280 V (110 – 285 V)			176 – 300 V (110 – 300 V)	
Input frequency	40 – 70 Hz auto-selecting				
Input connection	IEC 60320 C14		IEC 60320 C20	(1) Hard wire 3-wire (1P+N+G)	
Output					
Nominal output voltage	230 V (220 V, 240 V user selectable)				
Output frequency	50/60 Hz \pm 3 Hz (On Mains) or 50/60 Hz \pm 0.1 Hz (On Battery)				
Topology	Double-conversion on-line				
Waveform type	Pure sine wave				
Efficiency: Double-conversion mode (typical)	Upto 88%		Upto 90%	Upto 94%	
Efficiency: ECO mode (typical)	Upto 94%			Upto 97%	
Output connections	(3) IEC 60320 C13	(4) IEC 60320 C13	(6) IEC 60320 C13 (1) IEC 60320 C19	(1) Hard wire 3-wire (1P+N+G)	
Battery and Runtime*					
Battery type	Sealed maintenance free valve regulated lead-acid battery (leak proof)				
Battery capacity	2 strings of 12 V 9 Ah (3)	2 strings of 12 V 9 Ah (6)		1 string of 12 V 9 Ah (20)	
Battery voltage	36 V	72 V		240 V	
External battery pack	SRV36BP-9A	SRV72BP-9A		SRV240BP-9A	
Typical recharge time	4 hours to recover 90% of capacity				
Runtime at half load (min)	52	58	32	18	8
Runtime at full load (min)	23	26	14	6	2
Communications and management					
Interface ports	Serial RS-232, USB (Type B), Intelligent Slot				
Control panel	LED indicators, multi-function LCD, status and display console				
Emergency Power Off (EPO)	-			Yes (NC contacts)	
Physical (PM: Power Module, BP: Battery Pack)					
Dimensions W x H x D (mm)(PM)	145 x 223 x 288	145 x 238 x 400		190 x 336 x 374	190 x 336 x 447
Dimensions W x H x D (mm) (BP)	145 x 238 x 400	190 x 336 x 425		190 x 368 x 485	
Net weight (kg)(PM)	4.4	7.4	7.9	13	16.5
Net weight (kg) (BP)	19.6	38		60	
Color	RAL 7010				
Environment					
Operating temperature	0 to 40 °C				
Relative humidity	0 to 95% non-condensing				
Operating elevation	0 to 2,000 m at 100% load			0 to 1,000 m at 100% load	
Audible noise at 1 m from unit	Less than 50 dBA			Less than 55 dBA	Less than 58 dBA
International Protection Code	IP20				
Conformance					
Regulatory approvals	CE, UKCA, TISI, IEC 62040-1, IEC 62040-2				
Standard warranty	2 years repair or replace				

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* Runtime in the table are approximate only. All measurements taken with new, fully charged batteries, at typical environmental conditions, with no electrical input and balanced resistive load (PF = 1.0) output.

Extended Runtime Rack Models

SKU technical specifications

Product feature	SRV1KRIL SRV1KRILRK	SRV2KRIL SRV2KRILRK	SRV3KRIL SRV3KRILRK	SRV5KRILRK	SRV6KRIL SRV6KRILRK	SRV10KRIL SRV10KRILRK
Power rating	1000 VA/800 W	2000 VA/1600 W	3000 VA/2400 W	5000 VA/5000 W	6000 VA/6000 W	10000 VA/10000 W
Input						
Nominal input voltage	230 V					
Input voltage range at full load (half load)	160 – 280 V (110 – 285 V)			176 – 300 V (110 – 300 V)		
Input frequency	40 – 70 Hz auto-selecting					
Input connection	IEC 60320 C14		IEC 60320 C20	(1) Hard wire 3-wire (1P+N+G)		
Output						
Nominal output voltage	230 V (220 V, 240 V user selectable)					
Output frequency	50/60 Hz ± 3 Hz (On Mains) or 50/60 Hz ± 0.1 Hz (On Battery)					
Topology	Double-conversion on-line					
Waveform type	Pure sine wave					
Efficiency: Double-conversion mode (typical)	Upto 88%		Upto 90%	Upto 94%		
Efficiency: ECO mode (typical)	Upto 94%			Upto 97%		
Output connections	(3) IEC 60320 C13	(4) IEC 60320 C13	(6) IEC 60320 C13 (1) IEC 60320 C19	(1) Hard wire 3-wire (1P+N+G)		
Battery and Runtime*						
Battery type	Sealed maintenance free valve regulated lead-acid battery (leak proof)					
Battery capacity	2 strings of 12 V 9 Ah (2)	2 strings of 12 V 9 Ah (6)		1 string of 12 V 9 Ah (20)		
Battery voltage	36 V	72 V		240 V		
External battery pack	SRV36RLBP-9A	SRV72RLBP-9A		SRV240RLBP-9A		
Typical recharge time	4 hours to recover 90% of capacity					
Runtime at half load (min)	52	58	32	26	18	18
Runtime at full load (min)	23	26	14	10	6	2
Communications and management						
Interface ports	Serial RS-232, USB (Type B), Intelligent Slot					
Control panel	LED indicators, multi-function LCD, status and display console					
Emergency Power Off (EPO)	-			Yes (NC contacts)		
Physical						
Rack height (U)	4U			5U		
Dimensions W x H x D (mm)	438 x 172 x 412	438 x 172 x 632		438 x 219.5 x 615		
Net weight (kg)	27	51.7	52	77		79
Color	RAL 7010					
Environment						
Operating temperature	0 to 40 °C					
Relative humidity	0 to 95% non-condensing					
Operating elevation	0 to 2,000 m at 100% load			0 to 1,000 m at 100% load		
Audible noise at 1 m from unit	Less than 50 dBA			Less than 55 dBA		Less than 58 dBA
International Protection Code	IP20					
Conformance						
Regulatory approvals	CE, UKCA, TISI, IEC 62040-1, IEC 62040-2					
Standard warranty	2 years repair or replace					

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* Runtime in the table are approximate only. All measurements taken with new, fully charged batteries, at typical environmental conditions, with no electrical input and balanced resistive load (PF = 1.0) output.

Extended Runtime Rack Models

SKU technical specifications

Product feature	SRV10KRIL31 SRV10KRIL31RK	SRV15KRIL SRV15KRILRK	SRV20KRIL SRV20KRILRK
Power rating	10,000 VA/10,000 W	15,000 VA/15,000 W	20,000 VA/20,000 W
Input			
Nominal input voltage	230 V (PH-N)/400 V (PH-PH) (default)		
Input voltage range at full load (half load)	176 – 300/305 – 520 V (110 – 300/190 – 520 V)	176 – 275/305 – 476 V (110 – 300/190 – 520 V)	
Input frequency	40 – 70 Hz auto-selecting		
Input connection	(1) Hard wire 3-wire (1P+N+G) or (1) Hard wire 5-wire (3P+N+G)		
Output			
Nominal output voltage	230 V (220 V, 240 V user selectable)		
Output frequency	50/60 Hz \pm 3 Hz (On Mains) or 50/60 Hz \pm 0.5% (On Battery)		
Topology	Double-conversion on-line		
Waveform type	Pure sine wave		
Efficiency: Double-conversion mode (typical)	Up to 95%		
Efficiency: ECO mode (typical)	Up to 97%		
Output connections	(1) Hard wire 3-wire (1P+N+G)		
Battery and Runtime*			
Battery type	Sealed Maintenance Free Valve Regulated Lead Acid Battery (Leak Proof)		
Battery capacity	1 string of 12 V 9 Ah (20)	2 strings of 12 V 9 Ah (20)	
Battery voltage	\pm 120 V		
External battery pack	SRV120RLBP2-9A (1)	SRV120RLBP2-9A (2)	
Typical recharge time	6 hours to recover 90% of capacity		
Runtime at half load (min)	9	15	8.9
Runtime at full load (min)	3	4.7	2.5
Communications and management			
Interface ports	Serial RS-232, USB (Type B), Intelligent Slot		
Control panel	LED indicators, multi-function LCD, status and display console		
Emergency power off (EPO)	Yes (NC contacts)		
Physical			
Rack height (U)	6U	9U	
Dimensions W x H x D (mm)	438 x 262 x 680	438 x 393 x 690	
Net weight (kg)	89	157	
Color	RAL 7010		
Environment			
Operating temperature	0 to 40 °C		
Relative humidity	0 to 95% non-condensing		
Operating elevation	0 to 1,000 m at 100% load		
Audible noise at 1 m from unit	Less than 60 dBA		
Internal protection code	IP20		
Conformance			
Regulatory approvals	CE, UKCA, TISI, IEC 62040-1, IEC 62040-2		
Standard warranty	2 years repair or replace		

All specifications are subject to change without prior notice.

* Runtime in the table are approximate only. All measurements taken with new, fully charged batteries, at typical environmental conditions, with no electrical input and balanced resistive load (PF = 1.0) output.

Life Is On

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