

APC 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.

APC 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.

That's Certainty in a Connected World.



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APC Easy UPS 1 Ph Online Features

- Tower Models (standard & extended runtime)
  - Available in 1, 2, 3, 6, 10 KVA
- Rack Models (standard & extended runtime)
  - Available in 1, 2, 3, 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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APC 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 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

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- connected load is drawing more than the power rating

LOW — Battery charge

LOAD SENSITIVITY — Load level

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

ECO mode: illuminated when the unit provides utility power and power is within configured ranges

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Easy UPS Online Accessories

Additional solution enhancement options

Dry Contact Card (VGL9901I)

The UPS management accessory provides one dry contact input and six relay output interfaces to Easy UPS SRV series.



UPS Dry Contact Card
VGL9901I

Ideal applications:

- IBM server, personal PC and workstation equipment
- Auto-controlled industrial equipment and communication applications

SNMP Card (APV9601)

SNMP Card provides direct communication with your APC 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: APV9601



Rail Kits (SRVRK1, SRVRK2)

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



SRVKR1

SRVKR1:

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



SRVKR2

SRVKR2

- Rail Kit for Battery Pack (900mm)

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Technical Specifications

Easy UPS 1 Ph Online Standard Models (Tower)

Model		SRV1KI	SRV2KI	SRV3KI	SRV6KI	SRV10KI
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	-			✓	✓
	ECO Mode	✓			✓	✓
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 Standard Models (Rack Mount)

Model		SRV1KRI(RK)	SRV2KRI(RK)	SRV3KRI(RK)	SRV6KRI(RK)	SRV10KRI(RK)
Input	Nominal Input Voltage	230Vac				
	Input Connection	IEC C14	IEC C14	IEC C20	Terminal Block	
	Input Frequency	50 Hz / 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	Maintenance-free sealed Lead-Acid battery				
	Typical Recharge Time	4 hours recover to 90% capacity			3 hours recover to 90% capacity	
Runtime Estimates	Half Load (min)	11	12	13	12.2	10
	Full Load (min)	4	4	4	4	3
Physical	Dimension, D X W X H (mm)	312x438x86 (2U)	462x438x86 (2U)	632x438x86 (2U)	UPS:612 x 438 x 88 (2U) BATT:710x 438 x 88 (2U)	UPS:612 x 438 x 88 (2U) BATT:710 x 438 x 88 (2U)
	Weight (kgs)	11	18.2	27.6	UPS:14 BATT:46	UPS:16.5 BATT:53
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	✓			✓	✓
	Battery User Disconnector	✓			✓	✓
	ECO Mode	✓			✓	✓
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			SRV1KIL	SRV2KIL	SRV3KIL	SRV6KIL	SRV10KIL
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		SRV36BP-9A	SRV72BP-9A	SRV72BP-9A	SRV240BP-9A	SRV240BP-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
		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
		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		-	-	-	✓	✓
	ECO Mode		✓	✓	✓	✓	✓
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			SRV1KRIL	SRV2KRIL	SRV3KRIL	SRV6KRIL	SRV10KRIL
Input	Nominal Input Voltage		230Vac				
	Input Connection		IEC C14	IEC C14	IEC C20	Terminal Block	
	Input Frequency		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*4	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		SRV36RLBP-9A	SRV72RLBP-9A	SRV72RLBP-9A	SRV240RLBP-9A	SRV240RLBP-9A
Physical	Dimension, D X W X H (mm)	Power Module	332 x 438 x 86	462 x 438 x 86		615 x 438 x 86.5 (2U)	615 x 438 x 86.5 (2U)
		Battery Pack	412 x 438 x 86	632 x 438 x 86		606 x 438 x 131 (3U)	606x 438 x 131 (3U)
	Weight (kgs)	Power Module	6	9.2	9.5	14	16
		Battery Pack	21	42.5		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		✓	✓	✓	✓	✓
	ECO Mode		✓	✓	✓	✓	✓
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 50dB			Less than 55dB	Less than 58dB
Conformance	Regulatory Approvals		CE				
	Warranty		2 Years				

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