# **CyberPower**

## AVRG900LCD AVR UPS SYSTEM

# Offers significant energy savings, battery backup and surge protection.

A compact UPS with line interactive topology, the CyberPower AVRG900LCD provides battery backup (using simulated sine wave output) and surge protection for desktop computers, workstations, networking devices and home entertainment systems. The AVRG900LCD uses Automatic Voltage Regulation (AVR) to correct minor power fluctuations without switching to battery power, which extends battery life. AVR is essential in areas where power fluctuations occur frequently. The AVRG900LCD comes with a three-year warranty (including coverage of batteries) and a \$200,000 Connected Equipment Guarantee.

#### TYPICAL APPLICATIONS

- Desktop Computers
- · Automatic Voltage Regulation
- Workstations
- · Home Theater Equipment
- Personal Electronics
- Home Networking
- Routers & Modems
- VoIP Phone Systems

#### **FEATURES**

- Capacity: 900 VA / 480 W
- Topology: Line Interactive
- · Waveform: Simulated Sine Wave
- Output: 120 VAC +/- 5%
- Runtime (half/full): 10 minutes / 2 minutes
- Plug style: Right angle, 45° offset right
- Plug type & cord: NEMA 5-15P, 5-ft. cord
- Outlets: 12 (6 surge, 6 surge + battery backup)
- Outlet types: 12 × NEMA 5-15R
- · Communication port: 1 USB
- Data line protection: Telephone
- Management software: PowerPanel® Personal
- ENERGY STAR® qualified: Yes
- Warranty: Three-Year
- Connected Equipment Guarantee: \$200,000



## AVRG900LCD AVR UPS SYSTEM

## **SPECIFICATIONS**

Energy Saving GreenPower UPS™ High-Efficiency  ENERGY STAR® certified Yes  UPS Topology Line Interactive  INPUT  Circuit Breaker 15 A  Cord Length 5 ft (1.5 m)  Input Frequency Range 57 Hz - 63 Hz  Input Plug Type NEMA 5-15P  Input Voltage Range 90 VAC - 148 VAC  Nominal Input Voltage Right Angle - 45° Offset  OUTPUT  Automatic Voltage Single Boost Single Boost Single Buck  On Battery Frequency 60 Hz +/- 1%  On Battery Voltage 120 VAC +/- 5%  On Battery Waveform Simulated Sine Wave  Outlet Type 12 x NEMA 5-15R  Outlets - Battery & Surge Protected  Outlets - Total 12  Output Power Factor 0.5  Overload Protection Internal Circuitry Limiting Circuit Breaker Protected  Typical Transfer Time 4 ms  VA 900 VA  Watts 480 W  BATTERY  Battery Quantity 1  Battery Size 12 Volts / 9 Ah	GENERAL	
INPUT  Circuit Breaker 15 A  Cord Length 5 ft (1.5 m)  Input Frequency Range 57 Hz - 63 Hz  Input Plug Type NEMA 5-15P  Input Voltage Range 90 VAC - 148 VAC  Nominal Input Voltage 120 VAC  Plug Style Right Angle - 45° Offset  OUTPUT  Automatic Voltage Single Boost Single Buck  On Battery Frequency 60 Hz +/- 1%  On Battery Waveform Simulated Sine Wave  Outlet Type 12 x NEMA 5-15R  Outlets - Battery & Surge Protected  Outlets - Surge-Only Protected  Outlets - Total 12  Output Power Factor 0.5  Overload Protection Internal Circuitry Limiting Circuit Breaker Protected  Typical Transfer Time 4 ms  VA 900 VA  Watts 480 W  BATTERY  Battery Quantity 1	Energy Saving	
INPUT  Circuit Breaker  Cord Length  5 ft (1.5 m)  Input Frequency Range  57 Hz - 63 Hz  Input Plug Type  NEMA 5-15P  Input Voltage Range  90 VAC - 148 VAC  Nominal Input Voltage  Right Angle - 45° Offset  OUTPUT  Automatic Voltage  Regulation  Single Boost Single Boost Single Buck  On Battery Frequency  60 Hz +/- 1%  On Battery Waveform  Outlet Type  12 v NEMA 5-15R  Outlets - Battery & Surge Protected  Outlets - Surge-Only Protected  Outlets - Total  Output Power Factor  Overload Protection  Internal Circuitry Limiting Circuit Breaker Protected  Typical Transfer Time  4 ms  VA  900 VA  Watts  BATTERY  Battery Quantity  1	ENERGY STAR® certified	Yes
Circuit Breaker 15 A  Cord Length 5 ft (1.5 m)  Input Frequency Range 57 Hz - 63 Hz  Input Plug Type NEMA 5-15P  Input Voltage Range 90 VAC - 148 VAC  Nominal Input Voltage 120 VAC  Plug Style Right Angle - 45° Offset  OUTPUT  Automatic Voltage Single Boost Single Buck  On Battery Frequency 60 Hz +/- 1%  On Battery Waveform Simulated Sine Wave  Outlet Type 12 x NEMA 5-15R  Outlets - Battery & Surge Protected  Outlets - Surge-Only Protected  Outlets - Total 12  Output Power Factor 0.5  Overload Protection Internal Circuitry Limiting Circuit Breaker Protected  Typical Transfer Time 4 ms  VA 900 VA  Watts 480 W  BATTERY  Battery Quantity 1	UPS Topology	Line Interactive
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Input Frequency Range 57 Hz - 63 Hz Input Plug Type NEMA 5-15P Input Voltage Range 90 VAC - 148 VAC Nominal Input Voltage 120 VAC Plug Style Right Angle - 45° Offset  OUTPUT  Automatic Voltage Single Boost Single Buck On Battery Frequency 60 Hz +/- 1% On Battery Voltage 120 VAC +/- 5% On Battery Waveform Simulated Sine Wave Outlet Type 12 x NEMA 5-15R  Outlets - Battery & Surge Protected 6  Outlets - Surge-Only Protected 6  Outlets - Total 12  Output Power Factor 0.5  Overload Protection Internal Circuitry Limiting Circuit Breaker Protected Typical Transfer Time 4 ms VA 900 VA  Watts 480 W  BATTERY  Battery Quantity 1	Circuit Breaker	15 A
Input Plug Type Input Voltage Range Input Voltage Range Input Voltage Range Input Voltage It is input Voltage It is input Voltage It is input Voltage It is input Voltage Right Angle - 45° Offset  OUTPUT  Automatic Voltage Regulation Single Boost Single Buck On Battery Frequency It is input Voltage It is is input Voltage It is input Voltage It is input Voltage It is it is input Voltage It is input Voltag	Cord Length	5 ft (1.5 m)
Input Voltage Range 90 VAC - 148 VAC  Nominal Input Voltage 120 VAC  Plug Style Right Angle - 45° Offset  OUTPUT  Automatic Voltage Single Boost Single Buck  On Battery Frequency 60 Hz +/- 1%  On Battery Voltage 120 VAC +/- 5%  On Battery Waveform Simulated Sine Wave  Outlet Type 12 x NEMA 5-15R  Outlets - Battery & Surge Protected  Outlets - Surge-Only Protected  Outlets - Total 12  Output Power Factor 0.5  Overload Protection Internal Circuitry Limiting Circuit Breaker Protected  Typical Transfer Time 4 ms  VA 900 VA  Watts 480 W  BATTERY  Battery Quantity 1	Input Frequency Range	57 Hz - 63 Hz
Nominal Input Voltage Plug Style Right Angle - 45° Offset  OUTPUT  Automatic Voltage Regulation Single Boost Single Buck On Battery Frequency 60 Hz +/- 1% On Battery Voltage On Battery Waveform Simulated Sine Wave Outlet Type 12 x NEMA 5-15R  Outlets - Battery & Surge Protected Outlets - Surge-Only Protected Outlets - Total Output Power Factor Overload Protection  Typical Transfer Time VA POO VA Watts  BATTERY  Battery Quantity  120 VAC Single Boost Single	Input Plug Type	NEMA 5-15P
Plug Style Right Angle - 45° Offset  OUTPUT  Automatic Voltage Regulation Single Boost Single Buck  On Battery Frequency 60 Hz +/- 1%  On Battery Voltage 120 VAC +/- 5%  On Battery Waveform Simulated Sine Wave  Outlet Type 12 x NEMA 5-15R  Outlets - Battery & Surge Protected 6  Outlets - Surge-Only Protected 12  Output Power Factor 0.5  Overload Protection Internal Circuitry Limiting Circuit Breaker Protected Typical Transfer Time 4 ms  VA 900 VA  Watts 480 W  BATTERY  Battery Quantity 1	Input Voltage Range	90 VAC - 148 VAC
Automatic Voltage Regulation  On Battery Frequency  On Battery Voltage  On Battery Waveform  On Battery Waveform  Outlet Type  Outlets - Battery & Surge Protected  Outlets - Total  Output Power Factor  Overload Protection  Typical Transfer Time  VA  BATTERY  Battery Quantity  Single Boost Single Buck  Od Hz +/- 1%  60 Hz +/- 1%  120 VAC +/- 5%  On Battery Waveform  Simulated Sine Wave  6  6  Outlets - Simulated Sine Wave  6  Outlets - Surge-Only Protected  6  Outlets - Surge-Only Protected  7  Overload Protection  Internal Circuitry Limiting Circuit Breaker Protected  Typical Transfer Time  VA  900 VA  Watts  BATTERY  Battery Quantity  1	Nominal Input Voltage	120 VAC
Automatic Voltage Regulation  Single Boost Single Buck  On Battery Frequency  On Battery Voltage  120 VAC +/- 5%  On Battery Waveform  Simulated Sine Wave  Outlet Type  12 x NEMA 5-15R  Outlets - Battery & Surge Protected  Outlets - Surge-Only Protected  Outlets - Total  Output Power Factor  Overload Protection  Internal Circuitry Limiting Circuit Breaker Protected  Typical Transfer Time  VA  900 VA  Watts  BATTERY  Battery Quantity  1	Plug Style	Right Angle - 45° Offset
Regulation Single Buck  On Battery Frequency 60 Hz +/- 1%  On Battery Voltage 120 VAC +/- 5%  On Battery Waveform Simulated Sine Wave  Outlet Type 12 x NEMA 5-15R  Outlets - Battery & Surge Protected 6  Outlets - Surge-Only Protected 12  Output Power Factor 0.5  Overload Protection Internal Circuitry Limiting Circuit Breaker Protected  Typical Transfer Time 4 ms  VA 900 VA  Watts 480 W  BATTERY  Battery Quantity 1	OUTPUT	
On Battery Voltage  On Battery Waveform  Simulated Sine Wave  Outlet Type  12 x NEMA 5-15R  Outlets - Battery & Surge Protected  Outlets - Surge-Only Protected  Outlets - Total  Output Power Factor  Overload Protection  Typical Transfer Time  VA  900 VA  Watts  BATTERY  Battery Quantity  120 VAC +/- 5%  Simulated Sine Wave  6  Simulated Sine Wave  6  Internal Circuit Wave  6  Internal Circuitry Limiting Circuit Breaker Protected  4 ms  VA  900 VA		
On Battery Waveform  Simulated Sine Wave  Outlet Type  12 x NEMA 5-15R  Outlets - Battery & Surge Protected  Outlets - Surge-Only Protected  Outlets - Total  Output Power Factor  Overload Protection  Typical Transfer Time  VA  900 VA  Watts  BATTERY  Battery Quantity  12 x NEMA 5-15R  6  Internal Circuitry Limiting Circuit Breaker Protected  4 ms  VA  900 VA	On Battery Frequency	60 Hz +/- 1%
Outlets - Battery & Surge Protected  Outlets - Surge-Only Protected  Outlets - Total  Output Power Factor  Overload Protection  Typical Transfer Time  VA  Watts  BATTERY  Battery Quantity  12 x NEMA 5-15R  6  Ill x NEMA 5-15R  6  Internal Circuit Service	On Battery Voltage	120 VAC +/- 5%
Outlets - Battery & Surge Protected  Outlets - Surge-Only Protected  Outlets - Total  Output Power Factor  Overload Protection  Typical Transfer Time  VA  900 VA  Watts  BATTERY  Battery Quantity  6  Circuit Breaker Protected  Circuit Breaker Protected  A ms  VA  900 VA  Watts  BATTERY	On Battery Waveform	Simulated Sine Wave
Battery & Surge Protected  Outlets - Surge-Only Protected  Outlets - Total  Output Power Factor  Overload Protection  Typical Transfer Time  VA  900 VA  Watts  BATTERY  Battery Quantity  6  Outlets - 6  Internal Circuitry Limiting Circuit Breaker Protected  4 ms  VA  900 VA  Watts	Outlet Type	12 x NEMA 5-15R
Surge-Only Protected  Outlets - Total  Output Power Factor  Overload Protection  Typical Transfer Time  VA  900 VA  Watts  BATTERY  Battery Quantity  12  O.5  Internal Circuitry Limiting Circuit Breaker Protected  4 ms  4 ms  4 ms  VA  900 VA		6
Output Power Factor  Overload Protection  Internal Circuitry Limiting Circuit Breaker Protected  Typical Transfer Time  VA  900 VA  Watts  BATTERY  Battery Quantity  1		6
Overload Protection  Internal Circuitry Limiting Circuit Breaker Protected  Typical Transfer Time 4 ms  VA 900 VA  Watts 480 W  BATTERY  Battery Quantity 1	Outlets - Total	12
Typical Transfer Time 4 ms  VA 900 VA  Watts 480 W  BATTERY  Battery Quantity 1	Output Power Factor	0.5
VA 900 VA Watts 480 W  BATTERY Battery Quantity 1	Overload Protection	
Watts 480 W  BATTERY  Battery Quantity 1	Typical Transfer Time	4 ms
Battery Quantity 1	VA	900 VA
Battery Quantity 1	Watts	480 W
	BATTERY	
Battery Size 12 Volts / 9 Ah	Battery Quantity	1
	Battery Size	12 Volts / 9 Ah
Battery Type Sealed Lead-Acid Battery	Battery Type	Sealed Lead-Acid Battery
Replacement Battery Cartridge 1 x RB1290		1 x RB1290
Hot-Swappable No	Hot-Swappable	No

BATTERY - CONT.		
Runtime at Full Load	2 minutes	
Runtime at Half Load	10 minutes	
Typical Recharge Time	8 Hours	
User-Replaceable Battery	Yes	
SURGE PROTECTION & FILTERING		
EMI/RFI Filtration	Yes	
Phone Protection RJ11	1-In / 2-Out	
Surge Suppression	1030 J	
MANAGEMENT & COMMU	NICATIONS	
Audible Alarms	Battery Mode / Low Battery Overload / Fault	
HID Compliant USB Port	Yes	
LCD	Multifunction LCD	
LED Indicators	Power On / Wiring Fault	
Management Cable	USB Cable	
Software (Free Download)	PowerPanel® Personal	
PHYSICAL		
Color	Black	
Form Factor	Compact	
Keyhole Mounting Slots	Yes	
Material of Construction	Plastic	
PHYSICAL DIMENSIONS		
Physical Dimensions - Width/Height/Depth (cm)	30.99 x 17.78 x 8.89 cm	
Physical Dimensions - Width/Height/Depth (mm)	310 x 178 x 89 mm	
Physical Dimensions - Width/Height/Depth (in.)	12.2 x 7 x 3.5 in.	
Weight (kg)	6.44 kg	
Weight (lb)	14.2 lbs.	
SHIPPING DIMENSIONS		
Shipping Dimensions - Width/Height/Depth (cm)	12.85 x 24.94 x 37.47 cm	
Shipping Dimensions - Width/Height/Depth (mm)	128.52 x 249.43 x 374.65 mm	
Shipping Dimensions - Width/Height/Depth (in.)	5.06 x 9.82 x 14.75 in.	
Weight (kg)	6.92 kg	
Weight (lb)	15.25 lbs.	

## AVRG900LCD AVR UPS SYSTEM

## **SPECIFICATIONS - CONT.**

ENVIRONMENTAL	
Operating Elevation	0 to 6,562 ft (0 to 2,000 m)
Operating Relative Humidity	0 to 90% (non-condensing)
Operating Temperature	32 to 104 °F (0 to 40 °C)
Storage Elevation	0 - 50,000 ft (0 - 15,239 m)
Storage Temperature	5 to 113 °F (-15 to -45 °C)

CERTIFICATIONS	
Environmental	RoHS Compliant
Safety	UL1778 4th Ed.
WARRANTY	
CEG Amount	\$200,000
Connected Equipment Guarantee	Lifetime
Extended Warranty Option	WEXT5YR-U1B
Product Warranty	3-Year Limited Warranty