

Option to add Manual bypass switch required for D.O.T. traffic installations or any application that needs a bypass (AC-UPS-BP-120-30)



## RUGGED AC UPS SERIES

The Rugged AC UPS Series provides critical equipment a secure source of clean AC power during utility grid failures and brownouts. A line-interactive UPS, the series features wide range Automatic Voltage Regulation (AVR) allowing the UPS to stay in normal operation without transferring to back-up mode during temporary voltage irregularities, preserving and extending battery life cycle. The series also contains temperature compensated battery charging which enhances battery life.

Engineered to meet the demanding applications and harsh environments of outdoor cabinets, traffic and Intelligent Transportation Systems (ITS), public safety and remote communication sites; the Rugged AC UPS features a wide AC input voltage range of 88 - 152V AC and operates at extreme hot and cold temperatures.

## FEATURES

- Wide range of Automatic Voltage Regulation (AVR)
- Temperature compensated charging
- Fast transfer time < 5ms typical
- SNMP network card, RS-232 and USB ports included
- LCD screen for quick access to system diagnostics
- Front panel connections for easy install
- Forced air cooled with fan filter (field replaceable)
- Alarm contacts (six sets)
- 19" rack or cabinet mounting
- AC Wiring: hard wired AC input/output



# SPECIFICATIONS

<b>Input Voltage Range</b>	88 - 152V AC, User Programmable. Default set @ 100 - 130V AC	<b>Surge Capacity</b>	200% *rated power for 5 secs
<b>Transfer time (typical)</b>	UPS Mode: 5ms Normal Mode: 20ms Generator Mode: 25ms	<b>Back Feed Protection</b>	Yes
<b>Site Fault Detection</b>	Yes	<b>Charging Current</b>	2A/4A/6A/8A/10A adjustable
<b>Efficiency (Line Mode)</b>	95% typical	<b>Charging Algorithm</b>	3 step
<b>Output Waveform</b>	Pure sine wave	<b>Operating Temperature</b>	-40° to 80° C
<b>Nominal Output Voltage</b>	120V AC, +/- 5%	<b>Storage Temperature</b>	-50° to 80° C
<b>Output Frequency</b>	50/60 Hz +/- 0.1%	<b>Relative Humidity</b>	5 to 95% non-condensing
<b>Nominal DC Voltage</b>	48V DC (2000V A and 1200V A) 24V DC (700V A)	<b>Audible Noise</b>	< 53dB
<b>Low DC Voltage Warning</b>	42 - 55V DC (adjustable)	<b>Cooling</b>	Forced air, field replaceable fan and filtered
<b>No Load Power Consumption</b>	28 watts at rated nominal DC Voltage	<b>EMI</b>	Class A FCC/CISPR [EN50091-2: 1995]
<b>THD (Bat. Mode)</b>	<3% (full resistive load)	<b>Surge Protection</b>	IEEE/ANSI C.62.41 & 2KV, L-N
<b>Load Crest Factor</b>	3:1 @ rated load	<b>Certifications</b>	UL 1778/CSA 107.3 EMC FCC Part 15A
<b>Overload Protection</b>	5s @ ≥ 125 - 150% load 60s @ 110 - 125% load		
<b>Output Short Circuit Protection</b>	Output breaker/electronic current limit/firmware		

MODEL	INPUT VOLTAGE	OUTPUT VA/ WATTS (CONTINUOUS)	POWER FACTOR	NOMINAL BATTERY VOLTAGE	DIMENSIONS (H x W x D)	WEIGHT
AC-UPS-24-700	120V AC	700/700	1	24V DC	5.23" x 15.75" 9.45"	23 lbs
AC-UPS-48-1200	120V AC	1200/1200	1	48V DC	5.23" x 15.75" 9.45"	28.6 lbs
AC-UPS-48-2000	120V AC	2000/1600	0.8	48V DC	5.23" x 15.75" 9.45"	28.6lbs

# DIMENSIONS

