

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)



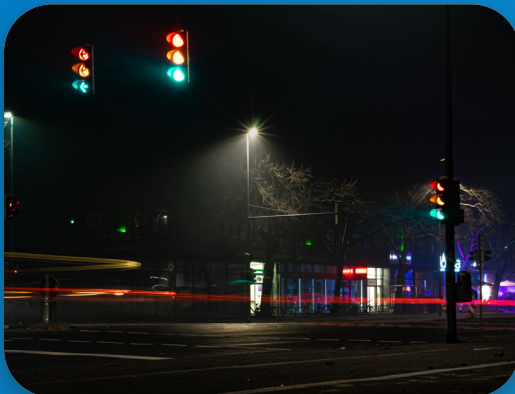
## RUGGED AC UPS SERIES

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

Input Voltage Range	88 - 152V AC, User Programmable. Default set @ 100 - 130V AC	Surge Capacity	200% *rated power for 5 secs
Transfer time (typical)	UPS Mode: 5ms Normal Mode: 20ms Generator Mode: 25ms	Back Feed Protection	Yes
Site Fault Detection	Yes	Charging Current	2A/4A/6A/8A/10A adjustable
Efficiency (Line Mode)	95% typical	Charging Algorithm	3 step
Output Waveform	Pure sine wave	Operating Temperature	-40° to 80° C
Nominal Output Voltage	120V AC, +/- 5%	Storage Temperature	-50° to 80° C
Output Frequency	50/60 Hz +/- 0.1%	Relative Humidity	5 to 95% non-condensing
Nominal DC Voltage	48V DC (2000V A and 1200V A) 24V DC (700V A)	Audible Noise	< 53dB
Low DC Voltage Warning	42 - 55V DC (adjustable)	Cooling	Forced air, field replaceable fan and filtered
No Load Power Consumption	28 watts at rated nominal DC Voltage	EMI	Class A FCC/CISPR [EN50091-2: 1995]
THD (Bat. Mode)	<3% (full resistive load)	Surge Protection	IEEE/ANSI C.62.41 & 2KV, L-N
Load Crest Factor	3:1 @ rated load	Certifications	TUV Rhineland certified to UL Standard 1778: 2014 R10.17, CSA Standard C22.2 No. 107.3-14+G11 & FCC Part 15A (EMC) specifications
Overload Protection	5s @ ≥ 125 - 150% load 60s @ 110 - 125% load		
Output Short Circuit Protection	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

