



Don't let power be the weak link in your network

PARAMETER	LinkUPS 12			LINKUPS 24			LINKUPS 120			LINKUPS 24/48 PoE			UNIT	
	MIN.	TYP.	MAX.	MIN.	TYP.	MAX.	MIN.	TYP.	MAX.	MIN.	TYP.	MAX.		
<b>INPUT</b>														
AC Input Voltage	85	-	265	85	-	265	85	-	265	85	-	265	Volts RMS	
Input Frequency	47	-	66	47	-	66	47	-	66	47	-	66	Hertz	
Power Factor Correction	0.95	-	-	0.95	-	-	0.95	-	-	0.95	-	-	n/a	
AC Input Current (note 1)	-	-	2.6	-	-	2.6	-	-	2.6	-	-	2.6	Amps RMS	
DC Input Voltage	110	-	370	110	-	370	110	-	370	110	-	370	Volts	
DC Input Current (note1)	-	-	2.0	-	-	2.0	-	-	2.0	-	-	2	Amps	
Input Fuse Trip Current	5	-	-	5	-	-	5	-	-	5	-	-	Amps	
<b>OUTPUT - Battery &amp; Load</b>														
Battery & Load Voltage (note 2) At 25°C	13.7	13.8	13.9	27.4	27.6	27.8	13.7	13.8	13.9	27.4	27.6	27.8	Volts DC (note 4)	
Battery & Load Voltage (note 2) Over 0 - 60°C only (temp. comp range)	12.9 (60 C)	-	14.9 (0 C)	25.8 (60 C)	-	29.8 (0 C)	12.9 (60 C)	-	14.9 (0 C)	25.8 (60 C)	-	29.8 (60 C)	Volts DC (note 4) (ambient temperature)	
Converted Load Voltage	-	-	-	-	-	-	120/60 Hz	120/60 Hz	120/60 Hz	47.9	48	48.1	Volts	
Output Voltage Temperature Compensation (0 - 60°C only)	-	-0.025	-	-	-0.05	-	-	-0.025	-	-	-0.05	-	Volts / °C	
Battery Charging Current (no load)	50 W	10.0	-	5.0	-	-	10.0	-	-	5.0	-	-	Amps	
	100W													
Quiescent Battery Current (LINE-DOWN mode - no load)	-	-	0.02	-	-	0.02	-	-	0.25	-	-	0.02	Amps	
Load Current	50 W	-	-	5.0	-	-	2.5	-	-	5.0	-	-	2.5	Amps
	100W	-	-	10.0	-	-	5.0	-	-	10.0	-	-	5.0	Amps
Battery Run Time (at 25°C)	50 W	11.0		14.0			11.0			14.0	-	-	Hours (at full load)	
	100W	8.0		11.0			8.0			11.0	-	-		
Output Switching Noise (noise 3)	-	-	100	-	-	100	-	-	100	-	-	100	mV p-p	
<b>General</b>														
Operating Temperature	-20	-	60	-20	-	60	-20	-	60	-20	-	60	°C	
Operating Humidity	10	-	95	10	-	95	10	-	95	10.0	-	95	% R.H. non-condensing	
Efficiency	75	-	-	78	-	-	75	-	-	78.0	-	-	%	
<b>EMC EMISSIONS</b>														
Radiated Noise: 30mHz - 1 GHz per FCC Class B														
Conducted Noise: 150 kHz - 30mHz per FCC Class B														
<b>ALARM CONTACTS</b>														
DC Current Rating a 30 VDC max	-	-	1.0	-	-	1.0	-	-	1.0	-	-	1.0	Amps	
AC Current Rating at 120 VAC max	-	-	0.3	-	-	0.3	-	-	0.3	-	-	0.3	Amps	
Contact Isolation Voltage	-	-	500	-	-	500	-	-	500	-	-	500	Volts RMS	

**NOTES**

1. These values apply at minimum input voltage conditions.
2. The stated voltages refer to system in LINE-UP mode with a full charged battery. If the battery has been recently discharged the system will operate in current limited mode until the battery regains full charge. When the battery is less than fully charged, the output voltage will be lower than the stated values. In LINE-DOWN mode, the load voltage is roughly equal to the battery voltage. Battery voltage will be a function of state of charge, temperature and overall condition. In both modes of operation the LOAD voltage will be as much as 0.2 Volts (0.4 volts for 24 volt systems) lower than the battery voltage because of the parasitic voltage drop across the output circuit breaker.
3. The system battery has a significant damping effect on noise; typical output noise will be much lower.
4. The LinkUPS 120 system uses a 12 VDC battery string voltage. The LinkUPS 24/48PoE system uses a 24VDC battery string bus voltage.