

Technical Specifications — 1609-D, 120V		1609-D600N	1609-D1000N	1609-D1500N
Input	V nom.	120V		
	Capacity	600 VA (390 W)	1000 VA (650 W)	1500 VA (980 W)
	Voltage Range, default	90...145V		
	Voltage Range, widest online	90...145V		
	Current nom.	5.5 A	8.8 A	13 A
	Capacity Frequency	50/60 Hz ± 3 Hz		
	PFC	None		
Output	V nom.	120V		
	Capacity	600 VA (390 W)	1000 VA (650 W)	1500 VA (980 W)
Online	Output Voltage Range, default	108...132V		
	Output Voltage Range, widest online	108...132V		
	Transfer Point Accuracy	± 3 %		
On Battery	V nom	120V (sine wave)		
	Frequency	50/60 Hz ± 0.5Hz		
	THD	≤ 10% Full Linear Load		
Short Circuit Protection	Crest Factor	2.2:1		
Efficiency	On Battery (Typical with resistive load)	75%		
	Online - Typical with resistive load excluding AVR mode)	86%	94%	95%
Protection	Surge	380 Joules		
	Overload (Shutdown after 10 s)	> 110...130%		
	Overload (Shutdown immediately)	> 130%		
	Output Short Online/Battery	Premises branch circuit over-current protection/Shutdown		
	Thermal Protection	UPS inside temperature ≥ 60 °C		
Regulatory	Safety	UL1778, CSA C22.2 No. 107.3, EN/IEC62040-1		
	EMC	FCC & CE (EN 62040-2)		
	Markings	UL, cULus, FCC, CE, C-Tick		
Battery Pack	Run Time	≥5 min (at 25 °C, full R load)	≥3.5 min (25 °C, full R load)	≥2.5 min (at 25 °C, full R load)
	Type	Sealed Lead Acid Battery 12V/5Ah (for 0...40 °C B.B. BP5-12) 12V/5.5Ah (for 0...50 °C B.B. HR15.5-12)		
	Voltage	36V		
	Charger	Current limited, constant voltage float charger		
	Recharger Time	Less than 8 hr to 90% capacity after discharge with full load		
	Lifetime	2...3 years at 25 °C ambient temperature		
Environment	Temperature	Operating Standard Battery 0...+40 °C (+32...+104 °F) Hi-Temperature Battery 0...+50 °C (+32...+122 °F) Non-operating/Storage -15...+45 °C (+5...+113 °F)		
	Altitude	Operating 0...6600 feet (0... 2000 meters)		
	Humidity	Operating/Storage 5...95% RH (Non-condensing)		
	Heat Output	On Line, Full load: 217 BTU/hr On Line, Full load, Charging: 296 BTU per hour On Battery: Full Load: 1331 BTU per hour	On Line, Full load: 142BTU/hr On Line, Full load, Charging: 221 BTU per hour On Battery: Full Load: 2218BTU per hour	On Line, Full load: 176BTU/hr On Line, Full load, Charging: 256BTU per hour On Battery: Full Load: 3344BTU per hour
	Audible Noise	< 50 dBA @ Front Side 1 Meter		
Mechanical	Approximate Dimensions L*W*H In. (mm)	8.66 x 16.14 x 10.24 (220 x 410 x 260)		
	Approximate Weight lbs (kg)	29.7 (13.5)	30.1 (13.7)	31 (14.1)