

Model	U91-1.0K	U91-1.5K	U91-3K	U91-4K	U91-5K	U91-8K		
Capacity (kVA/kW)	1.0kVA/1.0kW	1.5kVA/1.5kW	3kVA/3kW	4kVA/4kW	5kVA/5kW	8kVA/8kW		
Dimensions (H x W x D)	(3U) 5 x 17.5 x 24		29 x 10.5 x 25.75	29 x 10.5 x 25.75	29 x 10.5 x 25.75	32 x 13 x 33		
	127 x 444 x 609		737 x 267 x 654	737 x 267 x 654	737 x 267 x 654	813 x 330 x 838		
Weight	80	84	280	280	295	490		
	37	38	127	127	134	222		
Input Connection	5-20P Hospital Grade	5-20P Hospital Grade	Hardwired input is standard (line cord options available – contact factory)			Hardwired input		
Output Connection	(3) 5-15R Hospital Grade and	(3) 5-20R Hospital Grade and	Hardwired input is standard (receptacle options available – contact factory)					
Typical Runtime (full "100%" load)	8	5	13	9	6.5	11		
	(minutes)	(80% load)	12	6.5	18	12	9	14
	(half load)	22	12	35	24	18	25	
AC Input Voltage Range			147-264 (for nominal 200/208/220/230/240V output)					
Input Nominal Current at Full Load	100-120V = 14-12A Max.		100-120V = 19-16A Max.					
			200V=17A	200V=22A	200V=28A	200V=45A		
			208V=17A	208V=22A	208V=27A	208V=43A		
			220V=16A	220V=20A	220V=25A	220V=41A		
			230V=15A	230V=20A	230V=24A	230V=39A		
		240V=14A	240V=19A	240V=23A	240V=38A			
Operating Frequency	50 or 60 Hz nominal							
	On line: output frequency tracks input within adjustable limits (±3Hz default)							
	On inverter: ±0.15Hz							
Nominal Output	100/110/115/120 nominal output voltage			100/110/115/120/200/208/220/230/240 nominal output voltage				
Output Voltage Regulation	±5% of nominal output voltage							
Output Voltage Waveform	Sinewave, computer-grade power with 5% THD at rated kW load							
Overload Capacity	200% surge	200% surge	200% Surge for a minimum of 2.5 seconds / 110% Surge for a minimum of 10 minutes					
Transfer Time	0 mS							
Lightning, Surge and Noise Protection	110 Joule		110 Joule		200 Joule surge suppression rating. 0.7% Let-Through-Voltage (LTV). Tested to ANSI/IEEE			
	C62.41 Categories A3 and B3 tests. Common Mode – up to 50dB. Normal Mode – up to 90dB.							
	Separately derived power source per NEC Article 250-5d.							
Efficiency (on line)			95%	96%	96%	96%		
recharge Time (to 85% charge)	2-3 hours	2-3 hours	2-3 hours	2-3 hours	2-3 hours	3-4 hours		
Safety Certification	UL 2601-1 / UL 60601-1, UL 1778, cUL			UL 2601-1 / UL 60601-1, UL 1778, cUL				
EMC Compliance	FCC-B, CISPR 11			FCC-A, Vfg 243/1991, Vfg 46/1992, CISPR 22				
Testing Standards	EN 60601-1-2, EN 55011, EN 61000-3-2, EN 61000-3-3, C62.45			ANSI/IEEE C62.45 (1987); IEC 801-2, 801-3, 801-4, 801-5				
Communication	(1972), EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-11			RS-232 port (DE9) featuring full-duplex serial communication, alarm contacts, inverter contacts, and remote shutdown				
Operation								
Operating Temperature	0 degrees to +40 degrees C							
Storage Temperature	-20 degrees to +60 degrees C (-20 degrees to +40 degrees C if battery is not removed)							
Relative Humidity	0 to 95% without condensation							
Audible Noise at 1 meter	<40dBA	<40dBA	<40dBA	<40dBA	<40dBA	<40dBA		
Heat (on line)	(BTU/hr)	270	270	539	569	711		
	(kW/hr)	0.08	0.08	0.158	0.167	0.208		
Altitude	Maximum ambient operating temperature drops by 1 degree C per 305 meters (1000 feet) above sea level, maximum elevation being 3050 meters (10,000 feet).							