

TECHNICAL SPECIFICATIONS

MODEL	ELS-111 RT	ELS-112 RT	ELS-113 RT
Capacity (kVA/kW)	1kVA / 900W	2kVA / 1800W	3kVA / 2700W
INPUT			
Voltage	208 / 220 / 230 / 240 VAC		
Voltage Range	110–176 VAC (%50–100 Load Linear Derating); 176–280 VAC (No Derating); 280–300 VAC		
Frequency	40 - 70 Hz (Auto-Sensing)		
Input Power Factor	≥ 0.99		
Total Harmonic Distortion	≤ %6		
Bypass Voltage Range	%25 ~ +%15 (Selectable)		
OUTPUT			
Voltage	208 / 220 / 230 / 240 VAC – Selectable via LCD Panel		
Voltage Regulation	± %1 (Linear Load)		
Frequency	45 – 55 Hz or 55 – 65 Hz (Synchronized); 50 / 60 Hz ±0.1 Hz (Battery Mode)		
Waveform / Power Factor	Pure Sine Wave / 1		
Crest Factor	3:1		
Total Harmonic Distortion	Linear Load ≤ %2 ; Non-Linear Load ≤ %5		
Transfer Time	Mains to Battery: 0 ms / Inverter to Bypass Mode: 4 ms (Typical)		
Inverter Overload Capacity	105–125%: 1 min / 125–150%: 30 sec / >150%: 300 ms		
EFFICIENCY			
Mains Mode	≥ %91	≥ %91	≥ %92
Battery Mode	≥ %85	≥ %86	≥ %87
ECO Mode	≥ %95	≥ %96	≥ %97
BATTERY			
Battery Voltage	24 VDC (Std) / 36 VDC (H)	48 VDC (Std) / 72	72 VDC (Std) / 96 VDC (H)
Battery Quantity / Model	2 x 7Ah / 9Ah / 3 Pcs	4 x 7Ah / 9Ah / 6 Pcs	6 x 7Ah / 9Ah / 8 Pcs
Charging Current (Standard)	1A		
Charging Current (Long Backup)	6A		
Charging Time	8 Hours to 90% Capacity		
ALARMS			
Mains Failure	Audible alarm every 4 seconds		
Low Battery	Audible alarm every 1 second		
UPS General Error	Continuous Audible Alarm		
Overload	2 Audible Alarms every 1 second		
Protections	Short Circuit, Overload, Overtemperature, Battery Deep Discharge, Fan Test		
ENVIR. / COMM. / STANDARDS			
Operating Temp / Humidity	0°C–40°C / 20%–90% (Non-condensing)		
Audible Noise	<50 dB (at 1 meter)		
SNMP (Optional)	SNMP-based Power Management via Web Browser		
STANDARDS	EN 62040-1, EN 62040-2, EN 61000-3-2, EN 61000-3-3, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2, IEC 62040-2, IEC 62040-1		
DIMENSIONS			
Dimensions (WxDxH)	440x338x88(S) / 440x468x88(L)	440x430x88(S) / 440x468x88(L)	440x560x88(S) / 440x468x88(L)
Packed Dimensions (WxDxH)	598x428x194(S) / -	545x560x201(S) / 545x592x201(L)	590x690x201(S) / 590x592x201(L)
Net Weight (kg)	10.6(S) / 7.6(L)	18.7(S) / 9.7(L)	26.8(S) / 10.1(L)
Packed Weight (kg)	11.3(S) / 11.1(L)	21.8(S) / 13.2(L)	29.7(S) / 13.6(L)