

Encore Series

Single-Phase Line-Interactive UPS

For Business-Critical Systems

The Encore Series is the next generation of line interactive, true sine wave, Uninterruptible Power Supply. Its unique design provides protection from a wide variety of power quality problems in addition to blackout protection, making it ideal for network servers, phone systems, and other applications where system shutdown is not an option.

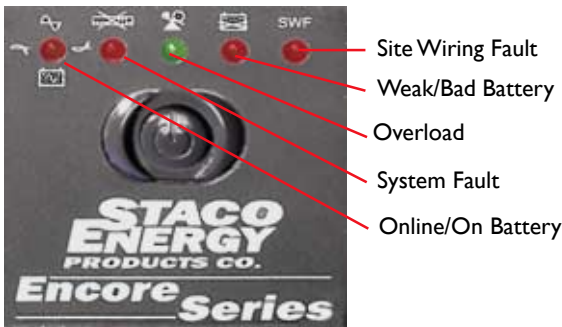
An industry-leading full three-year warranty comes standard with each Encore Series UPS, including the battery.

Designed as the optimum mix of performance and cost-effectiveness, the Encore Series provides the level of protection demanded for your business-critical systems.



Advantages

- **Industry leading 3 year warranty**
- **True sinewave output for superior power quality**
- **Double Buck, Double Boost regulation transformer allows for 74-164 VAC input without using the battery**
- **Better than 99% AC to AC efficiency for lower cost of ownership**
- **Hot-swappable batteries allows the batteries to be replaced without powering down the critical load**
- **External battery packs include a standard, internal charger for faster recharge, longer battery life and unlimited battery runtime**
- **Larger batteries mean longer holdup time**
- **Tower, rack or wall-mount - all from the same UPS**
- **Automatic diagnostic testing biweekly ensures the Encore Series is ready when you need it**
- **Simple, user friendly front panel controls for monitoring key functions**
- **Advanced monitoring and control communications with Sentry II™ software**



Encore Front Panel (All Models)



Encore ES2300 120 Volt Rear Panel

Product Specifications

Model Number [230 VAC Models]	ES05001 [ES05002]	ES07501 [ES07502]	ES11001 [ES11002]	ES15001 [ES15002]	ES23001 [ES23002]	ES32001 [ES32002]						
Load Rating VA/Watts	500/300	750/450	1100/660	1500/900	2300/1380	3200/1920						
Receptacles - NEMA 5-15R UPS/Surge Only [IEC-320]	3/1	3/1	5/1	5/1	7/1	7/1						
Input Line Cord	NEMA 5-15P Plug w/6 ft. cord [IEC 320]				NEMA L5-30P Plug w/6 ft. cord							
Topology	Line-Interactive											
Type	Floor / Rack / Wall (optional)											
Warranty	3 Years											
EMI/RFI	FCC Part 15 Cat. B, DOC Class B, EN55022, EN50081-1, EN50082-1											
Agency Approvals	UL1778, CSA 22.1, CE EMC, CE Safety, TUV											
Input (non-battery operation)												
Voltage Range	75 to 164 VAC [150 - 290 VAC]											
Frequency Range	50/60 Hz. Autosensing											
Input Protection	Resettable Circuit Breaker											
Electromagnetic Immunity	IEC 801-2 Level IV, 801-5 Level V											
Output (normal operation)												
Voltage	120 VAC ± 12% (105-128) [220 VAC -5 + 12% (210 - 250)]											
Frequency	± 6 Hz.											
Wave Form	True Sinewave											
Surge Protection	508 Joules											
Surge Response Time	0 ns. (instantaneous) in Normal Mode, < 5 ns. in Common Mode											
Noise Filter	Normal and Common Mode EMI/RFI											
10 Base-T Surge Let Through	< 5%											
Phone Surge Let Through	< 1%											
Output (battery operation)												
Voltage (default)	Default 117 VAC - User Selectable at 108, 113, 117 [215, 225, 235]											
Frequency	± .5 Hz. Unless Synchronized to Line											
Wave Form	True Sinewave											
Typical Transfer Time	< 2 ms. Maximum											
Mechanical/Environmental												
Dimensions Net (H x W x D)	3.5" x 17" x 16" in (8.9 x 43.2 x 40.7 cm)				5.25" x 17" x 16" in (8.9 x 43.2 x 40.7 cm)							
Dimensions Shipping (H x W x D)	6" x 21" x 20" in (15.2 x 53.3 x 50.8 cm)				10" x 21" x 20" in (25.4 x 53.3 x 50.8 cm)							
Net/Shipping Weight (Lbs.)	43/49	52/57	56/62	74/79	88/94	95/100						
Operating Temperature	32 - 104° F (0 - 40° C)											
Storage Temperature	5 - 113° F (-15 - 45° C)											
Battery System												
Hot Swappable Battery	Yes											
Internal Battery (spill proof, maint. free)	(2) 12 VDC 4.5 Ah	(2) 12 VDC 7.2 Ah	(4) 12 VDC 4.5 Ah	(4) 12 VDC 7.2 Ah	(4) 12 VDC 12 Ah							
Typical Recharge Time	2 to 5 Hours											
External Battery Packs												
Extended Battery	24 VDC 14.4 Ah Battery				48 VDC 12 Ah							
High Capacity Battery	24 VDC 28.8 Ah Battery				48 VDC 24 Ah							
Battery Dimensions	3.5" x 17" x 16" in (8.9 x 43.2 x 38.1 cm)				5.25" x 17" x 16" in							
Extended Battery Net/Shipping Wt.	49 lbs (22.2 kg) / 58 lbs (26.4 kg)				66 lbs (30.5 kg) 74 lbs (33.6 kg)							
High Capacity Battery Net/Ship Wt.	73 lbs. (23.2 kg.) / 81 lbs. (36.8 kg.)				102 lbs (46.4 kg)/112lbs (50.9 kg)							
Internal Charger	Yes											
Maximum Runtime	Unlimited											
Communication												
Sentry II™ Power Management Software	Software CD and Serial Cable Included, Serial Dry Contact Standard											
Communications Slot	Optional USB, SNMP, or AS/400 Plug-In Card											
Battery Matrix												
	Backup Time In Minutes											
% Load	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%		
Internal Battery Pack	29	12	28	12	21	8	20	8	24	10	14	5
1 Extended Battery Pack	152	64	101	41	68	28	56	23	60	25	40	17
2 Extended Battery Packs	277	120	184	80	113	48	97	42	105	45	68	28
3 Extended Battery Packs	379	177	248	112	168	75	140	62	134	58	88	38
4 Extended Battery Packs	547	225	360	166	241	110	181	81	190	86	126	56
1 High Power Battery Pack	267	113	169	69	109	46	84	34	90	38	60	25
2 High Power Battery Packs	517	225	330	143	209	89	162	70	175	75	113	47
3 High Power Battery Packs	723	337	461	207	296	137	246	109	235	102	154	66
4 High Power Battery Packs	1054	492	674	313	449	205	325	146	342	155	228	101

Specifications are subject to change without notice. Sentry II™ is a trademark of Para Systems, Inc.

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