

Eaton 5S UPS technical specifications¹

Model overview

Catalog number	Power rating (VA/watts)	Input	Output	Dimensions (HxWxD, in.)	Weight (lb.)
Tower 120V, 50/60 Hz models					
5S550	550/330	5-15P (6 ft)	(8) 5-15R	9.8 x 3.4 x 10.2	12.6
5S700	700/420	5-15P (6 ft)	(8) 5-15R	9.8 x 3.4 x 10.2	14.7
5S700LCD	700/420	5-15P (6 ft)	(8) 5-15R	9.8 x 3.4 x 10.2	15.1
5S1000LCD	1000/600	5-15P (6 ft)	(8) 5-15R	9.8 x 3.4 x 15.0	21.7
5S1500LCD	1500/900	5-15P (6 ft)	(10) 5-15R	9.8 x 3.4 x 15.0	26.1
Tower 230V, 50/60 Hz models					
5S700G	700/420	C14	(6) C13	9.8 x 3.4 x 10.2	13.2
5S1500G	1500/900	C14	(8) C13	9.8 x 3.4 x 15.0	24.6

Battery runtimes²

Wattage	30W	60W	90W	120W	150W	180W	210W	240W	270W	300W	330W	360W	390W	420W
Model														
5S550	121	56	31	20	14	10	8	6	5	4	1			
5S700 & 5S700G	151	75	37	30	21	14	12	11	9	7	6	5	3	2
5S700LCD	86	67	36	27	20	15	11	9	7	6	5	4	2	2

Wattage	120W	180W	240W	300W	360W	420W	480W	540W	600W	660W	720W	780W	840W	900W
Model														
5S1000LCD	43	26	18	14	10	9	6	4	3					
5S1500 & 5S1500G	79	43	30	22	17	13	10	9	8	6	5	4	3	2
1500VA (LCD)	71	42	31	22	16	13	10	8	7	6	5	4	3	2

Additional specifications

	5S550 5S700	5S700LCD 5S1000LCD 5S1500LCD	5S700G 5S1500G
General			
Graphical LCD	None	Graphical display. UPS status in a single view	None
LED	UPS On LED		
Topology	Line interactive		
Configuration	Tower		
Color	Black		
Warranty	3 years including batteries		
Contents (Ships with the following items)	<ul style="list-style-type: none"> - UPS - Input power cord - User manual (in 18 languages) and safety instructions - Warranty for connected equipment - USB cable and Software CD <p><i>G-Models only:</i></p> <ul style="list-style-type: none"> - 2 IEC output power cords - No input power cord 		
Electrical input			
Nominal voltage	120V: 100/120/127V 230V(G models): 220/230/240V		
Default voltage	Low Voltage: 120V High Voltage: 230V		

	5S550 5S700	5S700LCD 5S1000LCD 5S1500LCD	5S700G 5S1500G
Communications			
Input voltage range	120V: 93-138 Vac 230V: 175-275 Vac		
Frequency	50/60 Hz		
Frequency range	60 Hz: 46-70 Hz 50 Hz: 57-70 Hz		
Electrical output			
On utility voltage regulation	120V: 102-132 Vac 230V: 184-256 Vac		
On battery voltage regulation	-20%, +15% of nominal		
Efficiency	Normal or line mode: >95% above 60% load		
Frequency tolerance	±0.1Hz		
Over current protection	Electronic current limit		
Battery			
Battery description	Sealed, lead-acid; maintenance free		
Battery management	ABM technology; 3-stage charging extends battery service life by 50% and provides advance warning for battery replacement		
Battery replacement	Tool-less, replaceable internal batteries (not hot-swappable)		
Start on battery	Cold-start enabled; first cold start is always forbidden		
User interface	None	LCD graphical display. UPS status in a single view.	None
LEDs	UPS On LED		
Communication ports	USB port as standard (HID) USB Cord Included		
Power management software	Eaton UPS Companion Software		
Environmental & standards			
RoHS compliance	Yes		
Surge protection	IEEE ANSI C62.41 Cat B2		
EMC compliance	120V: FCC Part 15 subpart B Class B IEC 62040-2 C1/ EN 55024 / CISPR22 Class B / FCC part 15 Class B		
Audible noise	< 25 dB at 1 meter		
Operating temperature	0° to 35°C (32°F to 95°F)		
Safety Markings	CE UL TUVus / NOM		
Storage temperature	-25°C to 40°C (-13°F to 104°F)		
Relative humidity	0 to 93% non-condensing		
Altitude	Up to 6,500 ft (2000m) without de-rating		