

## Eaton 5S UPS technical specifications<sup>1</sup>

## **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 runtimes<sup>2</sup>

Wattage Model	30W	60W	90W	120W	150W	180W	210W	240W	270W	300W	330W	360W	390W	420W
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 Model	120W	180W	240W	300W	360W	420W	480W	540W	600W	660W	720W	780W	840W	900W
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** 

Additional Specification	-	5S700LCD						
	5S550	5S1000LCD	5S700G					
0								
General	5S700	5S1500LCD	5S1500G					
Graphical LCD	None	Graphical display. UPS status	None					
		in a single view						
LED		UPS On LED						
Topology		Line interactive						
Configuration		Tower						
Color		Black						
Warranty		3 years including batteries						
Contents (Ships with the		- UPS						
following items)	<ul> <li>Input power cord</li> </ul>							
	<ul> <li>User manual (in 18 languages) and safety instructions</li> </ul>							
	<ul> <li>Warranty for connected equipment</li> </ul>							
	USB cable and Software CD							
	G-Models only:							
		<ul> <li>2 IEC output power cords</li> </ul>						
	<ul> <li>No input power cord</li> </ul>							
Electrical input	Electrical input							
Nominal voltage	120V: 100/120/127V							
	230V(G models): 220/230/240V							
Default voltage	Low Voltage: 120V							
		High Voltage: 230V						

SS500			5S700LCD								
Description   Sealed, lead-acid; maintenance free		58550		5\$700G							
Input voltage range	Communications										
230V: 175-275 Vac											
Frequency   S0/60 Hz	I input voltage range										
Frequency range   60 Hz: 48–70 Hz	Frequency	50/60 Hz									
Electrical output On utility voltage regulation 120V: 102-132 Vac regulation 230V: 184-256 Vac On battery voltage regulation Efficiency Frequency tolerance Over current protection Electronic current limit  Battery Battery description Battery replacement Battery replacement Battery replacement Battery replacement Battery replacement Battery  Start on battery User interface  LCD graphical display. UPS status in a single view.  LEDS  Communication ports  USB port as standard (HID) USB Cord Included  Power management Software  Environmental & standards  ROHS compliance  EMC compliance  LCC graphical 52 Sd Bat 1 meter  Operating temperature Operating temperature  Oto 93% non-condensing  CE ACTUVUs / NOM  Storage temperature Felative humidity  Oto 93% non-condensing			60 Hz: 46–70 Hz								
On utility voltage regulation 230V: 102-132 Vac 230V: 184-256 Vac On battery voltage regulation 230V: 184-256 Vac On battery voltage regulation Prequency tolerance Surrent protection Electronic current limit Electronic Electronic current limit Electronic current limit Electronic Electronic elimit Electronic Electro			50 Hz: 57-70 Hz								
On utility voltage regulation 230V: 102-132 Vac 230V: 184-256 Vac On battery voltage regulation 230V: 184-256 Vac On battery voltage regulation Prequency tolerance Surrent protection Electronic current limit Electronic Electronic current limit Electronic current limit Electronic Electronic elimit Electronic Electro	Electrical output										
regulation 230V: 184-256 Vac On battery voltage regulation  Efficiency Normal or line mode: >95% above 60% load Frequency tolerance ±0.1Hz Over current protection  Battery  Battery description Battery management Battery replacement  Cold-start enabled; first cold start is always forbidden  LEDs Communication ports  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  Surge protection  EC 62040-2 C1/ EN 55024 / CISPR22 Class B / FCC part 15 Class B  Audible noise  Or to 33% c 138% for 104% for 104		120V: 102-132 Vac									
Con battery voltage regulation   Frequency tolerance   Frequenc			230V: 184-256 Vac								
Efficiency   Normal or line mode: >95% above 60% load	On battery voltage		000/ .450/ .4								
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  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.  LEDs UPS On LED  Communication ports USB port as standard (HID) USB Cord Included  Power management 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 HCTUVus / NOM  Storage temperature -25°C to 40°C (-13°F to 104°F)  Relative humidity 0 to 93% non-condensing	regulation		-20%, +15% of nominal								
Section   Sealed, lead-acid; maintenance free		Normal	or line mode: >95% above 60%	load							
Battery Battery description Battery management Battery management Battery management Battery management Battery replacement Battery replacement Battery replacement 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 None status in a single view.  LEDs UPS On LED Communication ports USB port as standard (HID) USB Cord Included  Power management software  Environmental & standards  RoHS compliance 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 Operating temperature Operating temperature Operating temperature Storage temperature -25°C to 40°C (-13°F to 104°F) Relative humidity  O to 93% non-condensing	Frequency tolerance		±0.1Hz								
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Battery management 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  None  Status in a single view.  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  Surge protection  EEE 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  Operating temperature  Operating temperature  Safety Markings  CE \( \( \) CTUVus / NOM \  Storage temperature  -25°C to 40°C (-13°F to 104°F)  Relative humidity  O to 93% non-condensing											
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Start on battery  Cold-start enabled; first cold start is always forbidden  User interface  None  LCD graphical display. UPS None status in a single view.  UPS On LED  Communication ports  USB port as standard (HID) USB Cord Included  Power management software  Environmental & standards  RoHS compliance Surge protection  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  Qperating temperature  Operating temperature  O° to 35°C (32°F to 95°F) Safety Markings  CE \( \mathcal{E} \text{TUVus / NOM} \) Storage temperature  -25°C to 40°C (-13°F to 104°F) Relative humidity  O to 93% non-condensing											
Start on battery  User interface  None  LCD graphical display. UPS  None  status in a single view.  LEDs  UPS On LED  Communication ports  USB port as standard (HID)  USB Cord Included  Power management software  Environmental & standards  ROHS compliance  Surge protection  EMC compliance  T20V: FCC Part 15 subpart B Class B  IEC 62040-2 C1/EN 55024 / CISPR22 Class B / FCC part 15 Class B  Audible noise  Audible noise  Operating temperature  Operating temperature  Storage temperature  Table 1 of 104°F)  Relative humidity  O to 93% non-condensing	Battery replacement										
User interface  None  LCD graphical display. UPS status in a single view.  UPS On LED  Communication ports  USB port as standard (HID) USB Cord Included  Power management software  Environmental & standards  RoHS compliance  Surge protection  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  Operating temperature  Operating temperature  Storage temperature  CE #cTUVus / NOM  Storage temperature  PNone  Status in a single view.  UPS On LED  Ves  Standard (HID) USB Cord Included  Featon UPS Companion Software  Featon UPS Companion Software  LEE 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  CE #cTUVus / NOM  Storage temperature  -25°C to 40°C (-13°F to 104°F)  Relative humidity  O to 93% non-condensing											
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LEDs  Communication ports  USB port as standard (HID) USB Cord Included  Power management software  Environmental & standards  RoHS compliance Surge protection  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  Qperating temperature  Operating temperature  Operating temperature  Storage temperature  Cot 93% non-condensing	User interface	None LCD graphical display. UPS None									
Communication ports  USB port as standard (HID) USB Cord Included  Power management software  Eaton UPS Companion Software  Environmental & standards  RoHS compliance 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 Operating temperature Operating temperature  Storage temperature  CE /-cTUVus / NOM Storage temperature  -25°C to 40°C (-13°F to 104°F) Relative humidity  O to 93% non-condensing			status in a single view.								
Power management 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 /-cTUVus / NOM  Storage temperature -25°C to 40°C (-13°F to 104°F)  Relative humidity 0 to 93% non-condensing	LEDs										
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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 /-cTUVus / NOM  Storage temperature -25°C to 40°C (-13°F to 104°F)  Relative humidity 0 to 93% non-condensing	Power management	_	aton LIPS Companion Software								
RoHS compliance  Surge protection  EMC compliance  120V: FCC Part 15 subpart B Class B  120V: FCC Part 15 subpart B Class B  1EC 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 \( \alpha \text{CTUVus} \) NOM  Storage temperature  -25°C to 40°C (-13°F to 104°F)  Relative humidity  0 to 93% non-condensing		Eaton OPS Companion Software									
Surge protection  IEEE ANSI C62.41 Cat B2  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 /-cTUVus / NOM  Storage temperature  -25°C to 40°C (-13°F to 104°F)  Relative humidity  0 to 93% non-condensing	Environmental & standard	ls									
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Audible noise  Audible noise  Operating temperature  Storage temperature  Consider the following temperature  Operating temperature  Oper	Surge protection	IEEE ANSI C62.41 Cat B2									
Audible noise < 25 dB at 1 meter  Operating temperature 0° to 35°C (32°F to 95°F)  Safety Markings CE \( \subseteq \text{CTUVus / NOM} \)  Storage temperature -25°C to 40°C (-13°F to 104°F)  Relative humidity 0 to 93% non-condensing	EMC compliance	120V: FCC Part 15 subpart B Class B									
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Relative humidity 0 to 93% non-condensing	Safety Markings	CE /cTUVus / NOM									
Relative humidity 0 to 93% non-condensing	Storage temperature	-25°C to 40°C (-13°F to 104°F)									
Altitude Up to 6.500 ft (2000m) without de-rating		0 to 93% non-condensing									
	Altitude	Up to 6,500 ft (2000m) without de-rating									

- 1. Due to continuing product improvement programs, specifications are subject to change without notice.
- 2. Runtimes are displayed in minutes. Runtimes are approximate and may vary with equipment, configuration, battery age, temperature, etc. View interactive runtime graphs at <a href="https://www.eaton.com/5S">www.eaton.com/5S</a>.