Eaton 9355 UPS 10-15 KVA Specifications

Power	
Ratings (kVA/Watts)	10 kVA/9 kW and 15 kVA/13.5 kW at 0.9 power factor
Topology	Double conversion
Electrical Input	
Nominal input voltage	208V/120V or 220V/127V three-phase 400V models also available
Input voltage range	-15%, +10% from nominal at 100% load without depleting battery
Operating frequency	50/60 Hz (45 to 65 Hz)
Input power factor	>0.99 typical, >0.96 frequency converter
Input current distortion	5% THD
Electrical Output	
Nominal output voltage	208/120, 220/127 Vac
Output voltage regulation	±1% static; ±5% dynamic at 100% resistive load change, <1 ms response time
Efficiency	91%, typical
Heat dissipation (BTU/hr)	10 kVA models: 3,798 @ 208V and 220V input 6,294 @ 480V and 600V (with input isolation transformer) 15 kVA models: 5,122 @ 208V and 220V input 8,134 @ 480V and 600V (with input isolation transformer)
Battery	
Battery type	9 Ah, sealed, lead-acid, maintenance-free
Battery runtime	See battery backup time chart
Battery replacement	Field-replaceable
Charger	Default is 3.4A per battery string. Charger current is configurable from 0.5A to 25A per string with an overall maximum of 34A (limited by input current)
Start-on-battery	Allows start of UPS without utility input
General	
Diagnostics	Full system self-test at startup
UPS bypass	Automatic on overload or UPS failure

Parallel for redundancy	Yes, using Powerware Hot Sync technology and capacity
Dimensions and weights	See model selection table
Overload (normal operation)	150% for 5 sec / 125% for 1 min (online), 110% for 10 min

Communications	
LCD display	Graphical LCD with blue backlight
LEDs	(4) LEDs for notice and alarm
Audible alarms	Yes
Communication ports	(1) RS-232, (1) relay contact, (1) REPO, (2) environmental input
Communication slots	(2) X-Slot communication bays
Power management software	Bundled Software Suite CD

Environmental	
Operating temperature	50–104ºF (10–40ºC), 45ºC with 7.5% derating; Optimal battery performance: 77ºF (25ºC)
Storage temperature	32–77ºF (0–25ºC); Recommended battery storage: 59–77ºF (15–25ºC)
Relative humidity	0–95%, non-condensing
Audible noise	<56 dBA at 1 meter (noiseless room) typical
Altitude	9,843 ft. (3000m) without derating

Certifications	
Safety certifications	IEC 62040-1-1, IEC 60950, EN 62040-1-1, UL 1778
EMC compliance	EN 50091-2 Class A
Quality	ISO 9001: 2000 and ISO 14001:1996
Markings	UL, cUL

Eaton 9355 UPS 30 KVA Specifications

Power

Ratings (kVA/Watts)	20 kVA/18 kW and 30 kVA/27 kW at 0.9 power factor
Topology	Double conversion

Electrical Input

Nominal input voltage	208V/120V, 220V/127V +10, -15% 480V/277V, 600V (480+600 with transformer) 400V models also available
Operating frequency	50/60 Hz (45 to 65 Hz)
Input power factor	0.99 typical
Input current distortion	<5% THD

Electrical Output

Nominal output voltage	208/120, 220/120 Vac
Output voltage regulation	±1% static; ±4% dynamic with 100% step load recovery within 1 ms response time
Efficiency	91%, typical
Heat dissipation (BTU/hr)	20 kVA models 6,762 @ 208V and 220V input 10,450 @ 480V and 600V (with input isolation transformer) 30 kVA models: 9,220 @ 208V and 220V input 13,831 @ 480V and 600V (with input isolation transformer)

Battery

Battery type	9 Ah, sealed, lead-acid, maintenance-free
Battery runtime	See battery backup time chart
Battery replacement	Field-replaceable
Charger	Default is 8A
Parallel for redundancy	Yes, using Powerware Hot Sync technology and capacity

General

Diagnostics	Full system self-test at startup
UPS bypass	Automatic on overload or UPS failure
Parallel for redundancy	Yes, using Powerware Hot Sync technology and capacity
Dimensions and weights	See model selection table
Overload	150% for 5 sec / 125% for 1 min (online), 110% for 10 min

Communications	
LCD display	Graphical LCD with blue backlight
LEDs	(4) LEDs for notice and alarm
Audible alarms	Yes
Communication ports	(1) RS-232, (1) relay contact, (1) REPO, (2) environmental input
Communication slot	(2) X-Slot communication bays
Power management software	Bundled Software Suite CD
Environmental	
Operating temperature	50–104ºF (10–40ºC), 45ºC with 7.5% derating; Optimal battery performance: 77ºF (25ºC)
Storage temperature	32–77ºF (0–25ºC); Recommended battery storage: 59–77ºF (15–25ºC)
Relative humidity	0–95%, non-condensing
ble noise	<58 dBA at 1 meter depending on load
Altitude	<3000m
Certifications	
Safety certifications	IEC 62040-1-1, IEC 60950, EN 62040-1-1, UL 1778, NOM-0190SCP8-1993
EMC compliance	EN 50091-2 Class A
Quality	ISO 9001: 2000 and ISO 14001:1996
Markings	UL, cUL, NOM-NYCE