

Eaton 9155 UPS Technical Specs

- [Stand-alone UPS with 1-phase input / 1-phase output](#)
- [Stand-alone UPS with 3-phase input / 1-phase output](#)
- [External battery cabinets](#)

UPS output power rating (0,9 p.f.)

kVA	8	10	12	15	20	30
kW	7.2	9	10.8	13.5	18	27

General

Efficiency in double conversion mode (full load)	92%	93%
Efficiency in double conversion mode (half load)	90%	91%
Efficiency in high efficiency mode	up to 98%	-
Distributed paralleling with Hot Sync technology	4	
Field upgradeable	yes	
Inverter/rectifier topology	transformer-free IGBT with PWM	
Audible noise	< 50 dB	
Altitude (max)	1000 m without derating (max 2000 m)	

Input

Input wiring	1 ph or 3 ph + N + PE	3 ph + N + PE
Nominal voltage rating (configurable)	220/380, 230/400, 240/415 V 50/60 Hz	
Input voltage range	Low -20% at 100% load/-50% at 50% load without battery discharge; High +10%/max +20%	
Input frequency range	45-65 Hz	
Input power factor	0,99	
Input ITHD	less than 4,5%	
Soft start capability	Yes	
Internal backfeed protection	Yes	

Output

Output wiring	1 ph + N + PE	
Nominal voltage rating (configurable)	220/380, 230/400, 240/415 V 50/60 Hz	
Output UTHD	<3% (100% linear load); <5% (reference non linear load)	
Output power factor	0,9 (e.g. 9 kW at 10 kVA)	0,9 (e.g. 27 kW at 30 kVA)
Permitted load power factor	0,7 lagging - 0,8 leading	
Overload on inverter	10 min 100-110%; 1 min 110-125%; 5 sec 125-150%; 300 ms >150%	
Overload when bypass available	60 min 100-110%, 10 min 110-125%; 1 min >125- 150%	

Battery

Type	Maintenance-free VRLA batteries, NiCd	
Charging method	ABM technology or Float	
Temperature compensation	Optional	
Battery nominal voltage (lead-acid)	384 V (32x12 V, 192 cells)	432 V (36x12 V, 216 cells)
Charging current / Model	Default 3 A *Max 30 A	Default 3 A *Max 60 A

*May be limited by maximum UPS input current rating

Accessories		
	Isolation transformer, long-life batteries, external battery cabinets, UPS Center (input, bypass, distribution), X-Slot connectivity (Web/SNMP, ModBus/ Jbus, Relay, Hot Sync, ViewUPS-X remote display), Hot Sync parallel tie cabinet, integrated manual bypass, external maintenance bypass switch	Isolation transformer, long-life batteries, external battery cabinets, X-Slot connectivity (Web/SNMP, ModBus/ Jbus, Relay, Hot Sync, ViewUPS-X remote display), Hot Sync parallel tie cabinet, integrated manual bypass, external maintenance bypass switch
Communications		
X-Slot	2 communication bays	
Serial ports	1 available	
Relay inputs/outputs	2/1 programmable	
Compliance with standards		
Safety (CB certified)	IEC 62040-1, IEC 60950-1	
EMC	IEC 62040-2	
Performance	IEC 62040-3	

In the interests of continuous product improvement all specifications are subject to change without notice.

Stand-alone UPS with 1-phase input / 1-phase output					
Part number	Description	Rating	Back-up (p.f. 0.7)	Dimensions (HxWxD)	Weight
1022532	9155-8-S-10-32x7Ah	8 kVA / 7.2 kW	10 min	817x305x702 mm	155 kg
1022533	9155-8-S-15-32x9Ah	8 kVA / 7.2 kW	15 min	817x305x702 mm	160 kg
1022534	9155-8-S-28-64x7Ah	8 kVA / 7.2 kW	28 min	1214x305x702 mm	250 kg
1022535	9155-8-S-33-64x9Ah	8 kVA / 7.2 kW	33 min	1214x305x702 mm	275 kg
1022536	9155-10-S-10-32x9Ah	10 kVA / 9 kW	10 min	817x305x702 mm	160 kg
1022537	9155-10-S-20-64x7Ah	10 kVA / 9 kW	20 min	1214x305x702 mm	250 kg
1022538	9155-10-S-25-64x9Ah	10 kVA / 9 kW	25 min	1214x305x702 mm	275 kg
Stand-alone UPS with 3-phase input / 1-phase output					
1022480	9155-8-N-10-32x7Ah	8 kVA / 7.2 kW	10 min	817x305x702 mm	155 kg
1022481	9155-8-N-15-32x9Ah	8 kVA / 7.2 kW	15 min	817x305x702 mm	160 kg
1022482	9155-8-N-28-64x7Ah	8 kVA / 7.2 kW	28 min	1214x305x702 mm	250 kg
1022483	9155-8-N-33-64x9Ah	8 kVA / 7.2 kW	33 min	1214x305x702 mm	275 kg
1022484	9155-10-N-10-32x9Ah	10 kVA / 9 kW	10 min	817x305x702 mm	160 kg
1022485	9155-10-N-20-64x7Ah	10 kVA / 9 kW	20 min	1214x305x702 mm	250 kg
1022486	9155-10-N-25-64x9Ah	10 kVA / 9 kW	25 min	1214x305x702 mm	275 kg
1022487	9155-12-N-8-32x9Ah	12 kVA / 10.8 kW	8 min	817x305x702 mm	160 kg
1022488	9155-12-N-15-64x7Ah	12 kVA / 10.8 kW	15 min	1214x305x702 mm	250 kg
1022489	9155-12-N-20-64x9Ah	12 kVA / 10.8 kW	20 min	1214x305x702 mm	275 kg
1022490	9155-15-N-5-32x9Ah	15 kVA / 13.5 kW	5 min	817x305x702 mm	160 kg
1022491	9155-15-N-10-64x7Ah	15 kVA / 13.5 kW	10 min	1214x305x702 mm	250 kg
1022492	9155-15-N-15-64x9Ah	15 kVA / 13.5 kW	15 min	1214x305x702 mm	275 kg
1026598	9155-20-N-5-1x9Ah-MBS	20 kVA / 18 kW	5 min	1684x494x762 mm	300 kg
1026599	9155-20-N-13-2x9Ah-MBS	20 kVA / 18 kW	13 min	1684x494x762 mm	400 kg
1026600	9155-20-N-22-3x9Ah-MBS	20 kVA / 18 kW	22 min	1684x494x762 mm	500 kg
1026601	9155-20-N-31-4x9Ah-MBS	20 kVA / 18 kW	31 min	1684x494x762 mm	600 kg
1026602	9155-30-N-7-2x9Ah-MBS	30 kVA / 27 kW	7 min	1684x494x762 mm	400 kg
1026603	9155-30-N-13-3x9Ah-MBS	30 kVA / 27 kW	12 min	1684x494x762 mm	500 kg
1026604	9155-30-N-20-4x9Ah-MBS	30 kVA / 27 kW	20 min	1684x494x762 mm	600 kg
External battery cabinets					
1022561	9X55-BAT5-64x7Ah	2x32x7 Ah	Check technical specifications	817x305x699 mm	195 kg
1022562	9X55-BAT5-96x7Ah	3x32x7 Ah	Check technical specifications	1214x305x699 mm	310 kg
1025169	9355-BAT-1x24Ah (30 kVA)	1x36x24 Ah		1684x494x758 mm	510 kg
1025170	9355-BAT-2x24Ah (30 kVA)	2x36x24 Ah		1684x494x758 mm	870 kg

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