

Eaton DX LAN 6-10 KVA - Technical Specification

MODEL	DX 6000 LAN	DX 10000 LAN
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GENERAL SPECIFICATIONS

Technology	Online double conversion	
Format	Tower	
Display	Backlight LCD	

INPUT

Phases	Single phase	
Voltage range	110~276Vac (176~276Vac @ 100% load, 110~276Vac @ 50% load)	
Frequency range	45~66Hz	
Power Factor	>0,99 @ 100% load	
Input THDi	< 5% @ 100% load	
Nominal Input Current	26A	43A

OUTPUT

Power Rating	6kVA / 5.4kW	10kVA / 9kW
Power Factor	0.9	
Nominal Voltage	120x2 / 240 / 208Vac	
Voltage Regulation	≤3%	
Voltage Distortion (THDv)	<2% @ 100% Linear Load	
Output Waveform	Sine Wave	
Frequency	50/60Hz	
Line Mode Efficiency @ 100% load	> 88%	
ECO Mode Efficiency @ 100% load	> 92%	
Line Mode Overload Capability (Circumstance <35°C)	105%~125% load: transfer to bypass after 10 minutes 125%~150% load: transfer to bypass after 1 minute 150%~170% load: transfer to bypass after 10 seconds >170% load: transfer to bypass after 100 milliseconds	
Line Mode Overload Capability (Circumstance >35°C)	105%~125% load: transfer to bypass after 2 minutes 125%~150% load: transfer to bypass after 30 seconds >150% load: transfer to bypass after 1 second	
Isolation Transformer	Factory Standard	


BATTERY

Internal battery type	12V / 7Ah	12V / 9Ah
Number of internal battery	20	20
Total battery rating voltage	240VDC	240VDC
Charger current	1.4A	1.4A
Charge Time (Internal battery)	<5Hrs recharge to 90%	<8Hrs recharge to 90%
EBM battery type	12V / 7Ah	12V / 9Ah
EBM battery quantity	2 x 20	2 x 20

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PARALLEL	
Parallel Operation Capability	Yes, Max number up to 2
Power Unbalance Ratio	<3%
Circulation Current under No Load Condition	<1A

POWER MANAGEMENT	
LCD Display	
Communication ports	USB + EPO + Dry Contacts
Communication slot	1 slot for optional NMC (Network Management Card), AS400 y CMC
Software	WinPower

ENVIRONMENT	
IP grade	IP20
Operating temperature	0 to 40°C
Relative Humidity	< 95%
Operating altitude	≤ 1000m (without derating) 1000m < altitude (1% derating per 100m)
Noise Level @ 1 meter ²	< 55dB
Storage temperature	-15 to 45°C

OPERATING CONDITIONS, STANDARDS AND APPROVALS	
Safety	IEC/EN 62040-1
EMC, Performance	IEC/EN 62040-2
Approvals	CE, NOM, RETIE

DIMENSIONS W x H x D / WEIGHT		
UPS dimensions (mm)	300 x 830 x 695	300 x 830 x 695
UPS weight (kg)	115	138
EBM dimensions (mm)	260 x 708 x 550	260 x 708 x 550
EBM weight (kg)	119	133

Notes:

- The noise level may vary with the equipment, configuration, temperature, etc.

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RUNTIME												
DX LAN (% of rated load)	10	20	25	30	40	50	60	70	75	80	90	100
6000	99.9	43.2	33.1	26.7	20.3	15.6	12.6	10.6	10.1	9.6	8.3	7.3
10000	68.2	29.9	23.1	18.7	14.6	11.3	9.2	7.7	7.3	7.0	6.1	5.4
6000 + 1 EBM	397.2	171.6	131.6	106.3	79.8	61.3	49.6	41.5	40.5	37.4	32.4	28.4
6000 + 2 EBM	754.5	325.9	250.0	201.9	150.6	115.8	93.6	78.4	76.1	70.2	60.7	53.3
10000 + 1 EBM	263.5	115.7	89.3	72.4	55.4	42.9	34.8	29.3	28.7	26.6	23.0	20.3
10000 + 2 EBM	494.2	217.0	167.4	135.7	103.1	79.8	64.8	54.5	53.1	49.1	42.6	37.6