ENERGY STAR CERTIFIED

Uninterruptible Power Supplies

Liebert - Liebert eXM : 47SA100A[0|1|2|3][C|Y][0|F|H|M|G|L][0|1]

Specifications

ENERGY STAR Unique ID:	2335263
Brand Name:	Liebert
Model Name:	Liebert eXM
Model Number:	47SA100A[0|1|2|3][C|Y][0|F|H|M|G|L][0|1]
Power Conversion Mechanism:	Static
Minimum Configuration Tested Model Number:	47SA060A0C00
Active Output Power Rating Minimum Configuration (W):	60000
Apparent Output Power Rating Minimum Configuration (VA):	60000
Maximum Configuration Tested Model Number:	47SA100A0C00
Active Output Power Rating Maximum Configuration (W):	100000
Topology (ac):	Multi-Mode Double Conversion
Topology and Product Type Combined:	ac - Other
Application:	Commercial,Consumer,Data Center
Rated Input Voltage (V rms):	176-253
Rated Input Frequency (Hz):	40-70
Rated Output Voltage (V):	208-220
Rated Output Frequency (Hz):	60-60
Rack Mountable:	No
Height (mm):	2000
Width (mm):	600
Depth (mm):	1000
Normal Mode(s) Input Dependency Characteristic (ac):	Voltage and Frequency Dependent,Voltage and Frequency Independent
Modular UPS:	Yes
Number of Normal Modes:	Multiple-normal-mode
Default Normal Mode (ac):	Voltage and Frequency Dependent
Test Input Voltage (V rms):	208
Test Input Frequency (Hz):	60
Test Output Voltage (V):	208

Test Output Frequency (Hz):	60
Total Input Power in W at 0% Load Min Config Lowest Dependency (ac):	654.23
Total Input Power in W at 0% Load Min Config Highest Dependency (ac):	472.84
Efficiency at 25% Load Min Config Lowest Dependency (ac):	93.9
Efficiency at 25% Load Min Config Highest Dependency (ac):	97.4
Efficiency at 50% Load Min Config Lowest Dependency (ac):	95.3
Efficiency at 50% Load Min Config Highest Dependency (ac):	98.1
Efficiency at 75% Load Min Config Lowest Dependency (ac):	95.2
Efficiency at 75% Load Min Config Highest Dependency (ac):	98.2
Efficiency at 100% Load Min Config Lowest Dependency (ac):	94.7
Efficiency at 100% Load Min Config Highest Dependency (ac):	98.2
Weighted Efficiency Calc Min Config Lowest Dependency:	94.9
Weighted Efficiency Calc Min Config Highest Dependency:	98.0
Minimum Configuration Input Power Factor Highest-Input Dependency:	0.99
Total Input Power in W at 0% Load Max Config Lowest Dependency (ac):	988.85
Total Input Power in W at 0% Load Max Config Highest Dependency (ac):	395.4
Efficiency at 25% Load Max Config Lowest Dependency (ac):	94.3
Efficiency at 25% Load Max Config Highest Dependency (ac):	96.6
Efficiency at 50% Load Max Config Lowest Dependency (ac):	95.5
Efficiency at 50% Load Max Config Highest Dependency (ac):	97.8
Efficiency at 75% Load Max Config Lowest Dependency (ac):	95.3
Efficiency at 75% Load Max Config Highest Dependency (ac):	98.2
Efficiency at 100% Load Max Config Lowest Dependency (ac):	94.7
Efficiency at 100% Load Max Config Highest Dependency (ac):	98.4
Weighted Efficiency Calc Max Config Lowest Dependency:	95.1
Weighted Efficiency Calc Max Config Highest Dependency:	97.6

Maximum Configuration Input Power Factor Lowest-Input Dependency:	0.99
Maximum Configuration Input Power Factor Highest-Input Dependency:	0.99
Efficiency (%):	95.8
Modular UPS Module Tested Model Number:	Power module, eXM 20kVA
Energy Storage Mechanism:	Battery
Energy Storage System Technology:	Valve Regulated Lead-acid Battery
Energy Storage System Configuration:	Separate Enclosure
Energy Storage System Removable to Another Room:	Yes
Energy Storage System Runtime at 100% Load (min.):	5
Energy Storage System Runtime at 50% Load (min.):	10
Energy Storage System Warranty (yrs):	3
Energy Storage System Information URL:	N/A
Network Connections Available:	Serial Port,Other,USB Port,Ethernet
Communication Protocols:	Modbus TCP,HTTPS,Other,SNMP (v1, 2 or 3),HTTP,Modbus RTU
Communication Protocol Other:	BACnet,IP/MSTP,YDN23
Manufacturer Take Back Program:	No
Model Web Page URL:	https://www.vertivco.com
Test Method Guidelines:	N/A
Date Available on Market:	2014-08-05
Date Certified:	2019-01-23
Markets:	United States, Taiwan, Japan, Canada
ENERGY STAR Certified:	Yes

Additional Model Information

Liebert eXM,47SA060A[0|1|2|3][C|Y][0|F|H|M|G|L][0|1],; Liebert eXM,47SA080A[0|1|2|3][C|Y][0|F|H|M|G|L][0|1],

Captured On:
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