



ENERGY STAR CERTIFIED

Uninterruptible Power Supplies

Vertiv - Liebert eXM : 51SA160ARA

Specifications

ENERGY STAR Unique ID:	2335935
Brand Name:	Vertiv
Model Name:	Liebert eXM
Model Number:	51SA160ARA
Power Conversion Mechanism:	Static
Minimum Configuration Tested Model Number:	51SA160ARA
Active Output Power Rating Minimum Configuration (W):	40000
Apparent Output Power Rating Minimum Configuration (VA):	40000
Maximum Configuration Tested Model Number:	51SA250NAA
Topology (ac):	Multi-Mode Double Conversion
Topology and Product Type Combined:	ac - Other
Application:	Commercial,Consumer,Data Center
Rated Input Voltage (V rms):	480-480
Rated Input Frequency (Hz):	60-60
Rated Output Voltage (V):	480-480
Rated Output Frequency (Hz):	60-60
Rack Mountable:	No
Height (mm):	2000
Width (mm):	848
Depth (mm):	994
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 Independent
Test Input Voltage (V rms):	480
Test Input Frequency (Hz):	60
Test Output Voltage (V):	480
Test Output Frequency (Hz):	60
Total Input Power in W at 0% Load Min Config Lowest Dependency (ac):	1267.248

Efficiency at 25% Load Min Config Lowest Dependency (ac):	92.6
Efficiency at 50% Load Min Config Lowest Dependency (ac):	95.4
Efficiency at 75% Load Min Config Lowest Dependency (ac):	96.2
Efficiency at 100% Load Min Config Lowest Dependency (ac):	96.5
Weighted Efficiency Calc Min Config Lowest Dependency:	94.9
Efficiency (%):	94.9
Modular UPS Module Tested Model Number:	Power module,eXM 50KVA
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:	N/A
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,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:	2017-05-31
Date Certified:	2019-01-23
Markets:	United States, Taiwan, Japan, Canada
ENERGY STAR Certified:	Yes

Additional Model Information

Liebert eXM,51SN160ARA,

Captured On:
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