



ENERGY STAR CERTIFIED

# Uninterruptible Power Supplies

Vertiv - Liebert EXS F5 20k series : 53\*20J\* \* \* \* \* \*

## Specifications

ENERGY STAR Unique ID:	2668213
Brand Name:	Vertiv
Model Name:	Liebert EXS F5 20k series
Model Number:	53*20J* * * * * *
Power Conversion Mechanism:	Static
Minimum Configuration Tested Model Number:	1
Active Output Power Rating Minimum Configuration (W):	20000
Apparent Output Power Rating Minimum Configuration (VA):	20000
Maximum Configuration Tested Model Number:	2
Topology (ac):	Multi-Mode Double Conversion
Topology and Product Type Combined:	ac - Other
Application:	Data Center,Consumer,Commercial
Rated Input Voltage (V rms):	208-220
Rated Input Frequency (Hz):	50-60
Rated Output Voltage (V):	208-220
Rated Output Frequency (Hz):	50-60
Rack Mountable:	No
Height (mm):	2000
Width (mm):	600
Depth (mm):	1000
Normal Mode(s) Input Dependency Characteristic (ac):	Voltage and Frequency Independent,Voltage and Frequency Dependent
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):	162.36

<b>Total Input Power in W at 0% Load Min Config Highest Dependency (ac):</b>	86.05
<b>Efficiency at 25% Load Min Config Lowest Dependency (ac):</b>	93.3
<b>Efficiency at 25% Load Min Config Highest Dependency (ac):</b>	97.6
<b>Efficiency at 50% Load Min Config Lowest Dependency (ac):</b>	94.1
<b>Efficiency at 50% Load Min Config Highest Dependency (ac):</b>	98.4
<b>Efficiency at 75% Load Min Config Lowest Dependency (ac):</b>	93.5
<b>Efficiency at 75% Load Min Config Highest Dependency (ac):</b>	98.6
<b>Efficiency at 100% Load Min Config Lowest Dependency (ac):</b>	92.6
<b>Efficiency at 100% Load Min Config Highest Dependency (ac):</b>	98.8
<b>Weighted Efficiency Calc Min Config Lowest Dependency:</b>	93.8
<b>Weighted Efficiency Calc Min Config Highest Dependency:</b>	98.4
<b>Minimum Configuration Input Power Factor Highest-Input Dependency:</b>	0.99
<b>Efficiency (%):</b>	94.9
<b>Modular UPS Module Tested Model Number:</b>	N/A
<b>Energy Storage Mechanism:</b>	Battery
<b>Energy Storage System Technology:</b>	Valve Regulated Lead-acid Battery
<b>Energy Storage System Configuration:</b>	Integral
<b>Energy Storage System Removable to Another Room:</b>	No
<b>Energy Storage System Runtime at 100% Load (min.):</b>	26
<b>Energy Storage System Runtime at 50% Load (min.):</b>	12
<b>Energy Storage System Warranty (yrs):</b>	1
<b>Energy Storage System Information URL:</b>	<a href="http://www.enersys.com">http://www.enersys.com</a> , <a href="http://www.eastpennunigy.com">http://www.eastpennunigy.com</a>
<b>Network Connections Available:</b>	USB Port
<b>Communication Protocols:</b>	Other
<b>Manufacturer Take Back Program:</b>	No
<b>Model Web Page URL:</b>	<a href="https://www.vertivco.com/en-us/products-catalog/critical-power/uninterruptible-power-supplies-ups/">https://www.vertivco.com/en-us/products-catalog/critical-power/uninterruptible-power-supplies-ups/</a>
<b>Test Method Guidelines:</b>	N/A
<b>Date Available on Market:</b>	2023-09-15
<b>Date Certified:</b>	2023-09-25
<b>Markets:</b>	United States, Canada
<b>ENERGY STAR Certified:</b>	Yes

**Captured On:**  
06/18/2025