



ENERGY STAR CERTIFIED

# Uninterruptible Power Supplies

## Liebert - Liebert APM2 FR1 c3 Series : 56S(c3)(d2)P(f)(g)(h)(i)(j)

### Specifications

|  |   |
|--|---|
| ENERGY STAR Unique ID:                                   | 3815212   |
| Brand Name:  | Liebert   |
| Model Name:  | Liebert APM2 FR1 c3 Series  |
| Model Number:  | 56S(c3)(d2)P(f)(g)(h)(i)(j)                                       |
| Power Conversion Mechanism:                              | Static  |
| Minimum Configuration Tested Model Number:               | 56S(c3)(d2)C(f)(g)(h)(i)(j)                                       |
| Active Output Power Rating Minimum Configuration (W):    | 20000   |
| Apparent Output Power Rating Minimum Configuration (VA): | 20000   |
| Maximum Configuration Tested Model Number:               | 56S(c3)(d2)P(f)(g)(h)(i)(j)                                       |
| Active Output Power Rating Maximum Configuration (W):    | 120000  |
| Topology (ac):   | Multi-Mode Double Conversion                                      |
| Topology and Product Type Combined:                      | ac - Other  |
| Application:   | Data Center,Consumer,Commercial                                   |
| 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):  | 600   |
| Depth (mm):  | 1029  |
| 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 Independent                                 |
| Test Input Voltage (V rms):                              | 480   |
| Test Input Frequency (Hz):                               | 60  |
| Test Output Voltage (V):                                 | 480   |

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| <b>Test Output Frequency (Hz):</b>   | 60      |
| <b>Total Input Power in W at 0% Load Min Config Lowest Dependency (ac):</b>  | 183.68  |
| <b>Total Input Power in W at 0% Load Min Config Highest Dependency (ac):</b> | 70.19   |
| <b>Efficiency at 25% Load Min Config Lowest Dependency (ac):</b>             | 94.3    |
| <b>Efficiency at 25% Load Min Config Highest Dependency (ac):</b>            | 98.0    |
| <b>Efficiency at 50% Load Min Config Lowest Dependency (ac):</b>             | 96.1    |
| <b>Efficiency at 50% Load Min Config Highest Dependency (ac):</b>            | 99.1    |
| <b>Efficiency at 75% Load Min Config Lowest Dependency (ac):</b>             | 96.6    |
| <b>Efficiency at 75% Load Min Config Highest Dependency (ac):</b>            | 99.4    |
| <b>Efficiency at 100% Load Min Config Lowest Dependency (ac):</b>            | 96.9    |
| <b>Efficiency at 100% Load Min Config Highest Dependency (ac):</b>           | 99.0    |
| <b>Weighted Efficiency Calc Min Config Lowest Dependency:</b>                | 95.8    |
| <b>Weighted Efficiency Calc Min Config Highest Dependency:</b>               | 98.9    |
| <b>Minimum Configuration Input Power Factor Highest-Input Dependency:</b>    | 0.99    |
| <b>Total Input Power in W at 0% Load Max Config Lowest Dependency (ac):</b>  | 1259.52 |
| <b>Total Input Power in W at 0% Load Max Config Highest Dependency (ac):</b> | 683.28  |
| <b>Efficiency at 25% Load Max Config Lowest Dependency (ac):</b>             | 95.6    |
| <b>Efficiency at 25% Load Max Config Highest Dependency (ac):</b>            | 98.8    |
| <b>Efficiency at 50% Load Max Config Lowest Dependency (ac):</b>             | 96.5    |
| <b>Efficiency at 50% Load Max Config Highest Dependency (ac):</b>            | 99.0    |
| <b>Efficiency at 75% Load Max Config Lowest Dependency (ac):</b>             | 96.9    |
| <b>Efficiency at 75% Load Max Config Highest Dependency (ac):</b>            | 99.3    |
| <b>Efficiency at 100% Load Max Config Lowest Dependency (ac):</b>            | 97.0    |
| <b>Efficiency at 100% Load Max Config Highest Dependency (ac):</b>           | 99.3    |
| <b>Weighted Efficiency Calc Max Config Lowest Dependency:</b>                | 96.4    |
| <b>Weighted Efficiency Calc Max Config Highest Dependency:</b>               | 99.0    |

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|--|---|
| 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:                            | 56S(c3)(d2)C(f)(g)(h)(i)(j), 56S(c3)(d2)P(f)(g)(h)(i)(j)  |
| Energy Storage Mechanism:  | Battery   |
| Energy Storage System Technology:                                  | Valve Regulated Lead-acid Battery   |
| Energy Storage System Configuration:                               | Integral  |
| Energy Storage System Removable to Another Room:                   | No  |
| Energy Storage System Runtime at 100% Load (min.):                 | 20  |
| Energy Storage System Runtime at 50% Load (min.):                  | 40  |
| Energy Storage System Warranty (yrs):                              | 1   |
| Energy Storage System Information URL:                             | <a href="http://www.enersys.com">http://www.enersys.com</a> , <a href="http://www.eastpennunigy.com/">http://www.eastpennunigy.com/</a>   |
| Network Connections Available:                                     | USB Port  |
| Communication Protocols:   | Other   |
| Manufacturer Take Back Program:                                    | No  |
| Model Web Page URL:  | <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> |
| Test Method Guidelines:  | N/A   |
| Date Available on Market:  | 2024-10-30  |
| Date Certified:  | 2024-11-28  |
| Markets:   | United States, Canada   |
| ENERGY STAR Certified:   | Yes   |

## Additional Model Information

Liebert APM2 FR1 c3 Series,56S(c3)(d2)E(f)(g)(h)(i)(j),; Liebert APM2 FR1 c3 Series,56S(c3)(d2)F(f)(g)(h)(i)(j),; Liebert APM2 FR1 c3 Series,56S(c3)(d2)H(f)(g)(h)(i)(j),; Liebert APM2 FR1 c3 Series,56S(c3)(d2)J(f)(g)(h)(i)(j),; Liebert APM2 FR1 c3 Series,56S(c3)(d2)L(f)(g)(h)(i)(j),; Liebert APM2 FR1 c3 Series,56S(c3)(d2)M(f)(g)(h)(i)(j),; Liebert APM2 FR1 c3 Series,56S(c3)(d2)N(f)(g)(h)(i)(j),

Captured On:  
06/18/2025