

## Vertiv - PST5-850MT120 : PST5-850MT120

ENERGY STAR Unique ID: 2336065  Brand Name: Vertiv  Model Name: PST5-850MT120  Model Number: PST5-850MT120  Power Conversion Mechanism: Static  Minimum Configuration Tested Model Number: PST5-850MT120  Active Output Power Rating Minimum Configuration (W):  Apparent Output Power Rating Minimum Configuration (VA): Passive Standby  Topology (ac): Passive Standby  Topology and Product Type Combined: Alternating Current (ac) - Offline (VFD)  Application: Data Center, Consumer, Commercial  Rated Input Voltage (V rms): 120-120  Rated Input Frequency (Hz): 50-60  Rated Output Frequency (Hz): 50-60  Rack Mountable: No  Height (mm): 97  Width (mm): 158  Depth (mm): 158  Depth (mm): 305  Total Number of Outlets: 8  Number of Battery Backup and Surge Protected Outlets: 4  Normal Mode(s) Input Dependency Charce Income Inmode  No  No  Number of Normal Modes: Single-normal-mode	Specifications	
Brand Name:         Vertiv           Model Name:         PST5-850MT120           Model Number:         PST5-850MT120           Power Conversion Mechanism:         Static           Minimum Configuration Tested Model Number:         PST5-850MT120           Active Output Power Rating Minimum Configuration (W):         500           Apparent Output Power Rating Minimum Configuration (VA):         850           Topology (ac):         Passive Standby           Topology and Product Type Combined:         Alternating Current (ac) - Offline (VFD)           Application:         Data Center, Consumer, Commercial           Rated Input Voltage (V rms):         120-120           Rated Input Frequency (Hz):         50-60           Rated Output Voltage (V):         120-120           Rated Output Frequency (Hz):         50-60           Rack Mountable:         No           Height (rmm):         97           Width (mm):         158           Depth (mm):         305           Total Number of Outlets:         8           Number of Battery Backup and Surge         4           Voltage and Frequency Dependent         Characteristic (ac):           No         No           Number of Surge Protected Only Outlets:         No		000000
Model Name: PST5-850MT120  Model Number: PST5-850MT120  Power Conversion Mechanism: Static  Minimum Configuration Tested Model Number: S00  Active Output Power Rating Minimum Configuration (W): S00  Apparent Output Power Rating Minimum Configuration (VA): S00  Apparent Output Product Type Combined: Alternating Current (ac) - Offline (VFD)  Application: Data Center, Consumer, Commercial S00  Rated Input Voltage (V rms): 120-120  Rated Input Voltage (V): 120-120  Rated Output Frequency (Hz): 50-60  Rated Output Frequency (Hz): 50-60  Rack Mountable: No  Height (mm): 97  Width (mm): 97  Width (mm): 158  Depth (mm): 305  Total Number of Outlets: 8  Number of Battery Backup and Surge Protected Outlets: 8  Number of Battery Backup and Surge Protected Outlets: 4  Normal Mode(s) Input Dependency Voltage and Frequency Dependent Characteristic (ac): Modular UPS: No  Number of Normal Modes: Single-normal-mode  Default Normal Mode (ac): Voltage and Frequency Dependent Test Input Voltage (V rms): 120  Test Input Voltage (V rms): 120	•	
Model Number:         PST5-850MT120           Power Conversion Mechanism:         Static           Minimum Configuration Tested Model Number:         PST5-850MT120           Active Output Power Rating Minimum Configuration (W):         500           Apparent Output Power Rating Minimum Configuration (VA):         850           Topology (ac):         Passive Standby           Topology and Product Type Combined:         Alternating Current (ac) - Offline (VFD)           Application:         Data Center, Consumer, Commercial           Rated Input Voltage (V rms):         120-120           Rated Input Frequency (Hz):         50-60           Rated Output Voltage (V):         120-120           Rated Output Frequency (Hz):         50-60           Rack Mountable:         No           Height (mm):         97           Width (mm):         158           Depth (mm):         305           Total Number of Outlets:         8           Number of Battery Backup and Surge         4           Protected Outlets:         4           Number of Surge Protected Only Outlets:         4           Normal Mode(s) Input Dependency Characteristic (ac):         No           Modular UPS:         No           Modular UPS:         No		
Power Conversion Mechanism:         Static           Minimum Configuration Tested Model Number:         PST5-850MT120           Active Output Power Rating Minimum Configuration (W):         500           Apparent Output Power Rating Minimum Configuration (VA):         850           Topology (ac):         Passive Standby           Topology and Product Type Combined:         Alternating Current (ac) - Offline (VFD)           Application:         Data Center, Consumer, Commercial           Rated Input Voltage (V rms):         120-120           Rated Input Frequency (Hz):         50-60           Rated Output Voltage (V):         120-120           Rated Output Frequency (Hz):         50-60           Rack Mountable:         No           Height (mm):         97           Width (mm):         158           Depth (mm):         305           Total Number of Outlets:         8           Number of Battery Backup and Surge Protected Outlets:         4           Normal Mode(s) Input Dependency Characteristic (ac):         Voltage and Frequency Dependent           Modular UPS:         No           Modular UPS:         No           No         Number of Normal Modes:         Single-normal-mode           Default Normal Mode (ac):         Voltage and Frequency Dependent		
Minimum Configuration Tested Model Number:  Active Output Power Rating Minimum Configuration (W):  Apparent Output Power Rating Minimum Configuration (VA):  Topology (ac):  Passive Standby Topology and Product Type Combined: Alternating Current (ac) - Offline (VFD) Application:  Rated Input Voltage (V rms): 120-120 Rated Input Voltage (V): 120-120 Rated Output Frequency (Hz): 50-60 Rated Output Frequency (Hz): 80-60 Rated Output Frequency (Hz): 80-60 Rated Mountable: No Height (mm): 97 Width (mm): 158 Depth (mm): 305 Total Number of Outlets: Number of Sattery Backup and Surge Protected Outlets: Number of Surge Protected Only Outlets: Voltage and Frequency Dependent Characteristic (ac): Modular UPS: No Number of Normal Mode(s): Voltage and Frequency Dependent Test Input Voltage (V rms): 120 Test Input Frequency (Hz): 60		
Number: Active Output Power Rating Minimum Configuration (W): S00 Apparent Output Power Rating Minimum Configuration (VA): Passive Standby Topology (ac): Passive Standby Topology and Product Type Combined: Alternating Current (ac) - Offline (VFD) Application: Data Center, Consumer, Commercial Rated Input Voltage (V rms): 120-120 Rated Input Frequency (Hz): 50-60 Rated Output Voltage (V): 120-120 Rated Output Frequency (Hz): 50-60 Rack Mountable: No Height (mm): 97 Width (mm): 158 Depth (mm): 305 Total Rumber of Outlets: 8 Number of Battery Backup and Surge Protected Only Outlets: 4 Normal Mode(s) Input Dependency Characteristic (ac): Woltage and Frequency Dependent Modular UPS: No Number of Normal Modes: Single-normal-mode Default Normal Mode (ac): Voltage and Frequency Dependent Test Input Voltage (V rms): 120 Test Input Frequency (Hz): 60		
Configuration (W): Apparent Output Power Rating Minimum Configuration (VA): Topology (ac): Passive Standby Topology and Product Type Combined: Alternating Current (ac) - Offline (VFD) Application: Data Center, Consumer, Commercial Rated Input Voltage (V rms): Rated Input Frequency (Hz): So-60 Rated Output Voltage (V): Rated Output Voltage (V): Rated Output Voltage (V): Rated Output Frequency (Hz): So-60 Rack Mountable: No Height (mm): 97 Width (mm): 158 Depth (mm): 305 Total Number of Outlets: Number of Battery Backup and Surge Protected Outlets: Number of Surge Protected Only Outlets: A Normal Mode(s) Input Dependency Characteristic (ac): Modular UPS: No No Number of Normal Modes: Default Normal Mode (ac): Voltage and Frequency Dependent Test Input Voltage (V rms): 120 Test Input Frequency (Hz): 60	Minimum Configuration Tested Model Number:	PST5-850MT120
Configuration (VA):       Passive Standby         Topology and Product Type Combined:       Alternating Current (ac) - Offline (VFD)         Application:       Data Center, Consumer, Commercial         Rated Input Voltage (V rms):       120-120         Rated Output Frequency (Hz):       50-60         Rated Output Frequency (Hz):       50-60         Rack Mountable:       No         Height (mm):       97         Width (mm):       158         Depth (mm):       305         Total Number of Outlets:       8         Number of Battery Backup and Surge Protected Outlets:       4         Number of Surge Protected Only Outlets:       4         Normal Mode(s) Input Dependency Characteristic (ac):       No         Modular UPS:       No         Number of Normal Modes:       Single-normal-mode         Default Normal Mode (ac):       Voltage and Frequency Dependent         Test Input Voltage (V rms):       120         Test Input Frequency (Hz):       60	Active Output Power Rating Minimum Configuration (W):	500
Topology and Product Type Combined: Application:  Rated Input Voltage (V rms): Rated Input Frequency (Hz): So-60 Rated Output Voltage (V): Rated Output Frequency (Hz): So-60 Rated Output Frequency (Hz): So-60 Rack Mountable: No Height (mm): 97 Width (mm): 158 Depth (mm): 305 Total Number of Outlets: Number of Battery Backup and Surge Protected Outlets: Number of Surge Protected Only Outlets: Voltage and Frequency Dependent Characteristic (ac): No No Number of Normal Mode (ac): Voltage and Frequency Dependent Test Input Voltage (V rms): 120 Test Input Frequency (Hz): 60		850
Application: Data Center,Consumer,Commercial Rated Input Voltage (V rms): 120-120 Rated Input Frequency (Hz): 50-60 Rated Output Voltage (V): 120-120 Rated Output Frequency (Hz): 50-60 Rack Mountable: No Height (mm): 97 Width (mm): 158 Depth (mm): 305 Total Number of Outlets: 8 Number of Battery Backup and Surge Protected Outlets: 4 Normal Mode(s) Input Dependency Characteristic (ac): Voltage and Frequency Dependent Modular UPS: No Number of Normal Modes: Single-normal-mode Default Normal Mode (ac): Voltage and Frequency Dependent Test Input Voltage (V rms): 120 Test Input Frequency (Hz): 60	Topology (ac):	Passive Standby
Rated Input Voltage (V rms): 120-120  Rated Input Frequency (Hz): 50-60  Rated Output Voltage (V): 120-120  Rated Output Frequency (Hz): 50-60  Rack Mountable: No  Height (mm): 97  Width (mm): 158  Depth (mm): 305  Total Number of Outlets: 8  Number of Battery Backup and Surge Protected Only Outlets: 4  Normal Mode(s) Input Dependency Characteristic (ac): Voltage and Frequency Dependent  Number of Normal Modes: Single-normal-mode  Default Normal Mode (ac): Voltage and Frequency Dependent  Test Input Frequency (Hz): 60	Topology and Product Type Combined:	Alternating Current (ac) - Offline (VFD)
Rated Input Frequency (Hz): 50-60 Rated Output Voltage (V): 120-120 Rated Output Frequency (Hz): 50-60 Rack Mountable: No Height (mm): 97 Width (mm): 158 Depth (mm): 305 Total Number of Outlets: 8 Number of Battery Backup and Surge Protected Outlets: 4 Normal Mode(s) Input Dependency Characteristic (ac): No Number of Normal Modes: Single-normal-mode Default Normal Mode (ac): Voltage and Frequency Dependent Test Input Voltage (V rms): 120 Test Input Frequency (Hz): 60	Application:	Data Center,Consumer,Commercial
Rated Output Voltage (V): 120-120 Rated Output Frequency (Hz): 50-60 Rack Mountable: No Height (mm): 97 Width (mm): 158 Depth (mm): 305 Total Number of Outlets: 8 Number of Battery Backup and Surge Protected Outlets: 4 Normal Mode(s) Input Dependency Characteristic (ac): No Number of Normal Modes: Single-normal-mode Default Normal Mode (ac): Voltage and Frequency Dependent Test Input Voltage (V rms): 120 Test Input Frequency (Hz): 60	Rated Input Voltage (V rms):	120-120
Rated Output Frequency (Hz): 50-60  Rack Mountable: No Height (mm): 97 Width (mm): 158 Depth (mm): 305 Total Number of Outlets: 8 Number of Battery Backup and Surge Protected Only Outlets: 4 Normal Mode(s) Input Dependency Characteristic (ac): No Number of Normal Modes: Single-normal-mode Default Normal Mode (ac): Voltage and Frequency Dependent Test Input Voltage (V rms): 120 Test Input Frequency (Hz): 60	Rated Input Frequency (Hz):	50-60
Rack Mountable:  Height (mm):  97  Width (mm):  158  Depth (mm):  305  Total Number of Outlets:  8  Number of Battery Backup and Surge Protected Outlets:  4  Normal Mode(s) Input Dependency Characteristic (ac):  Modular UPS:  No  Number of Normal Modes:  Default Normal Mode (ac):  Voltage and Frequency Dependent  Default Normal Mode (ac):  Voltage and Frequency Dependent  Test Input Voltage (V rms):  120  Test Input Frequency (Hz):	Rated Output Voltage (V):	120-120
Height (mm):  Width (mm):  158  Depth (mm):  305  Total Number of Outlets:  Number of Battery Backup and Surge Protected Outlets:  Number of Surge Protected Only Outlets:  Voltage and Frequency Dependent  Characteristic (ac):  Modular UPS:  No  Number of Normal Modes:  Default Normal Mode (ac):  Voltage and Frequency Dependent  Test Input Voltage (V rms):  120  Test Input Frequency (Hz):  60	Rated Output Frequency (Hz):	50-60
Width (mm): 158  Depth (mm): 305  Total Number of Outlets: 8  Number of Battery Backup and Surge Protected Outlets: 4  Normal Mode(s) Input Dependency Characteristic (ac): No  Number of Normal Modes: Single-normal-mode  Default Normal Mode (ac): Voltage and Frequency Dependent  Test Input Voltage (V rms): 120  Test Input Frequency (Hz): 60	Rack Mountable:	No
Depth (mm):  Total Number of Outlets:  Number of Battery Backup and Surge Protected Outlets:  Number of Surge Protected Only Outlets:  Normal Mode(s) Input Dependency Characteristic (ac):  Modular UPS:  No Number of Normal Modes:  Default Normal Mode (ac):  Test Input Voltage (V rms):  Test Input Frequency (Hz):  305  4  Voltage and Frequency Dependency Voltage and Frequency Dependent  Voltage and Frequency Dependent  120  Test Input Frequency (Hz):	Height (mm):	97
Total Number of Outlets:  Number of Battery Backup and Surge Protected Outlets:  Number of Surge Protected Only Outlets:  Normal Mode(s) Input Dependency Characteristic (ac):  Modular UPS:  No Number of Normal Modes:  Single-normal-mode  Default Normal Mode (ac):  Test Input Voltage (V rms):  120  Test Input Frequency (Hz):	Width (mm):	158
Number of Battery Backup and Surge Protected Outlets:  Number of Surge Protected Only Outlets:  Normal Mode(s) Input Dependency Characteristic (ac):  Modular UPS:  No Number of Normal Modes:  Single-normal-mode  Default Normal Mode (ac):  Voltage and Frequency Dependent  Voltage and Frequency Dependent  120  Test Input Frequency (Hz):  60	Depth (mm):	305
Protected Outlets:Aumber of Surge Protected Only Outlets:4Normal Mode(s) Input Dependency Characteristic (ac):Voltage and Frequency DependentModular UPS:NoNumber of Normal Modes:Single-normal-modeDefault Normal Mode (ac):Voltage and Frequency DependentTest Input Voltage (V rms):120Test Input Frequency (Hz):60	Total Number of Outlets:	8
Normal Mode(s) Input Dependency Characteristic (ac):  Modular UPS: No Number of Normal Modes: Single-normal-mode  Default Normal Mode (ac): Voltage and Frequency Dependent  Test Input Voltage (V rms): 120  Test Input Frequency (Hz): 60	Number of Battery Backup and Surge Protected Outlets:	4
Characteristic (ac):NoModular UPS:NoNumber of Normal Modes:Single-normal-modeDefault Normal Mode (ac):Voltage and Frequency DependentTest Input Voltage (V rms):120Test Input Frequency (Hz):60	Number of Surge Protected Only Outlets:	4
Number of Normal Modes:  Default Normal Mode (ac):  Voltage and Frequency Dependent  120  Test Input Frequency (Hz):  60	Normal Mode(s) Input Dependency Characteristic (ac):	Voltage and Frequency Dependent
Default Normal Mode (ac):  Test Input Voltage (V rms):  Test Input Frequency (Hz):  60	Modular UPS:	No
Test Input Voltage (V rms): 120  Test Input Frequency (Hz): 60	Number of Normal Modes:	Single-normal-mode
Test Input Frequency (Hz): 60	Default Normal Mode (ac):	Voltage and Frequency Dependent
	Test Input Voltage (V rms):	120
Test Output Voltage (V): 120	Test Input Frequency (Hz):	60
	Test Output Voltage (V):	120
Test Output Frequency (Hz): 60	Test Output Frequency (Hz):	60

Efficiency at 25% Load Min Config Lowest Dependency (ac):	98.1
Efficiency at 50% Load Min Config Lowest Dependency (ac):	98.7
Efficiency at 75% Load Min Config Lowest Dependency (ac):	98.7
Efficiency at 100% Load Min Config Lowest Dependency (ac):	98.5
Weighted Efficiency Calc Min Config Lowest Dependency:	98.5
Efficiency (%):	98.5
Modular UPS Module Tested Model Number:	N/A
Energy Storage Mechanism:	Battery
Energy Storage System Technology:	Valve Regulated Lead-acid Battery
<b>Energy Storage System Configuration:</b>	Integral
Energy Storage System Removable to Another Room:	N/A
Energy Storage System Runtime at 100% Load (min.):	1
Energy Storage System Runtime at 50% Load (min.):	6
Energy Storage System Warranty (yrs):	1
Energy Storage System Information URL:	https://www.vertiv.com/en-us/products-catalog/critical-power/uninterruptible-power-supplies-ups/liebert-pst5-ups/
Network Connections Available:	USB Port
Communication Protocols:	None
Manufacturer Take Back Program:	No
Model Web Page URL:	https://www.vertiv.com/en-us/products-catalog/critical-power/uninterruptible-power-supplies-ups/liebert-pst5-ups/
Test Method Guidelines:	N/A
Date Available on Market:	2019-05-01
Date Certified:	2019-04-03
Markets:	United States, Canada
<b>ENERGY STAR Certified:</b>	Yes

## Additional Model Information

PST5-850MT120TAA,PST5-850MT120TAA,

**Captured On:** 04/28/2025