

Product data sheet

Specifications



APC Symmetra RM 6kVA N+1 Frame 208/240V

SYHF6KT

Overview

Presentation	This parts kit contains spare parts for the APC product model shown.
Lead time	Usually in Stock

Main

Main Input Voltage	208 V AC 1 phase
Other Input Voltages	240 V
Input Connection Type	NEMA L6-30P 30 A
Cos phi	0.98
Efficiency at full load	155...276 V
Number of input connectors	1 Hard Wire 3-wire (2PH + G)
Input Frequency	50/60 Hz +/- 5 Hz auto-sensing
Output voltage	208 V AC 1 phase
Other Output Voltages	240 V
Rated power in W	4200 W
rated power in VA	6000 VA
output connection type	2 NEMA L6-20R 1 NEMA L6-30R
Bypass type	Internal Bypass (Automatic and Manual)
Crest factor	Up to 5 : 1
Harmonic distortion	Less than 5 % at full load
Maximum configurable power in VA	6000 VA
Max Configurable Power (Watts)	4200 W
Topology	On-Line
Waveform Type	Sine wave
Efficiency at full load	89 % full load)
Output Frequency (sync to mains)	57...63 Hz for 60 Hz nominal sync to mains 60 Hz not synced

Complementary

Additional information	Configurable for 208 or 240 nominal output voltage
Battery Size	Lead-acid internal included
Control panel	Multi-function LCD status and control console
Emergency Power Off (EPO)	Yes

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Free slots	1
Pre-Installed SmartSlot™ Cards	Network management card with environmental monitoring
Alarm	Alarm when on battery : distinctive low battery alarm : configurable delays
UPS connectivity	Serial port Pre-installed network management card 3
Number of rack unit	8U
Cable length	5.9 ft (1.8 m)
Number of cables	1
color	Black
Height	14.02 in (356 mm)
Width	19.02 in (483 mm)
Depth	28.7 in (730 mm)
Net Weight	99.2 lb(US) (45 kg)
Mounting Location	Front
Mounting preference	Lower
Mounting Mode	Rack-mounted
Two post mountable	0
USB compatible	No
Mounting mode	Rack-mounted with included kit
Provided equipment	User Manual Rack Mounting brackets Rack Mounting support rails CD with software
Number of power module	0
Number of power module filled slots	0
Number of power module free slots	4
Number preinstalled power module	0
Redundant	Yes
Range of Product	Symmetra
Product or Component Type	Uninterruptible power supply (UPS)
Performance multiplier	1
Value multiplier	1
Size UPS version	Internetworking Server Telecom
Curve equation	Efficiency
Curve load maximum	100 %
Curve X-axis maximum	100 %
Curve X-axis minimum	0 %
Curve X-axis title	Load
Curve X-axis units	Percentage
Curve Y-axis maximum	100 %
Curve Y-axis minimum	50 %

Curve Y-axis title	Efficiency
Curve Y-axis units	Percentage
Graph display	1
Show note OP temperature	No
UPS size	L

Environment

Product Certifications	CSA
Standards	FCC Part 15 class A UL 1778
Ambient Air Temperature for Operation	32...104 °F (0...40 °C)
Ambient Air Temperature for Storage	5...113 °F (-15...45 °C)
Storage altitude	0...50000 ft (0...15240 m)
Relative Humidity	0...95 %
Storage Relative Humidity	0...95 %
Acoustic level	60 dBA
Heat dissipation	1771 Btu/h
Operating altitude	0...10000 ft

Batteries & Runtime

Battery Type	Lead-Acid battery
Extendable Run Time	1
Included Battery Modules	0
Battery Slots Empty	3
Typical recharge time	4 h
Battery Life	3...5 year(s)
Battery Charge Power (Watts)	458 W rated

General

Number of tare power	225 W
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Ordering and shipping details

GTIN	731304016915
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Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	20.0 in (50.8 cm)
Package 1 Width	31.0 in (78.7 cm)
Package 1 Length	23.0 in (58.4 cm)
Package weight(Lbs)	110.2 lb(US) (50 kg)

Contractual warranty



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold

Use Longer

Lifetime extension	
Repair	No

Use Again

Repack and remanufacture	
Removable battery	User replaceable
Take-back	Yes
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.