Product datasheet

Specifications

APC Smart-UPS RT 1000VA 230V - Marine

SURT1000XLIM

Overview

Presentation	High availability, ruggedized power protection for shipboard and other transportation applications.
Lead time	Usually in Stock

Main

Main Input Voltage	230 V
Product or component type	Filter
Other Input Voltage	220 V 240 V
Main Output Voltage	230 V
Other Output Voltage	220 V 240 V
Rated power in W	700 W
Rated power in VA	1000 VA
Input Connection Type	IEC 60320 C14
output connection type	6 IEC 60320 2 IEC Jumpers
Number of rack unit	2U
Cable length	2.5 m
Number of cables	1
Provided equipment	CD with software Relay board Smart UPS signalling RS-232 cable User manual

Batteries & Runtime

Run Time	View Runtime Graph 🗗
Battery type	Lead-acid battery
Extended runtime	1
Number of battery filled slots	1
Number of battery free slots	0
Battery recharge time	3 h
Number of battery replacement quantity	1
Battery life	3…5 year(s)
Replacement battery	RBC31 🗗

Battery charger power	109 W rated

General

Number of power module	700
Number of power module filled slots	0
Number of power module free slots	0
Redundant	No
Variant option	Shipboard
UPS type	Double conversion online

Physical

Colour	Black
Height	43.2 cm
Width	8.5 cm
Depth	48.3 cm
Net weight	23 kg
Mounting location	Front
Mounting preference	Lower
Mounting mode	Rack-mounted
Two post mountable	0
USB compatible	No

Input

Input Power Factor at Full Load	1
Input voltage limits	180...280 V
Network frequency	50/60 Hz +/- 5 Hz auto-sensing

Output

Bypass type	Built-in bypass
Crest factor	3 : 1
Harmonic distortion	Less than 3 %
Maximum configurable power in VA	1000 VA
Maximum configurable power in W	700 W
Wave type	Sine wave
Efficiency	88 % (full load)
Output frequency	50/60 Hz +/- 3 Hz user adjustable +/- 0.1 Hz sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised
Additional information	Configurable for 220 : 230 or 240 nominal output voltage

Conformance

Product certifications	CE DNV KCC

Standards	EN/IEC 62040-1:2019/A11:2021
	EN/IEC 62040-2:2006/AC:2006
	EN/IEC 62040-2:2018

Environmental

Acoustic level	55 dBA
Heat dissipation	324 Btu/h
Operating altitude	0...10000 ft
Ambient air temperature for operation	0…55 °C
Ambient air temperature for storage	-20…50 °C
Storage altitude	0.0000000000…15240.0000000000 m
IP degree of protection	IP20
Relative humidity	0…95 % non-condensing
Storage Relative Humidity	0…95 % non-condensing

Communications & Management

Emergency power off	Optional
Free slots	0
Preinstalled device	Dry contact I/O smartslot card
Alarm	Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm

Surge Protection and Filtering

Surge energy rate	420 J
Noise suppression	Full time multi-pole noise filtering : 0.3% IEEE surge let-through : zero clamping response time : meets UL 1449

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	28.6 cm
Package 1 Width	63 cm
Package 1 Length	59.4 cm
Package 1 Weight	27.8 kg

Contractual warranty

Warranty	2 years repair or replace, optional on-site warranties available, optional extended warranties available

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 ›

Environmental footprint

Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

EU RoHS Directive	**Compliant with Exemptions**
REACh Regulation	**REACh Declaration**
China RoHS Regulation	**China RoHS declaration**

Energy efficiency

Optimized Energy Efficiency	**Energy efficient product**

Use Again

Repack and remanufacture

Circularity Profile	**End of Life Information**
Removable battery	**User replaceable**
WEEE	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**
Take-back	**Yes**