

Silcon **APC Silcon 80kW 208V UPS**



APC Silcon, 80 kW / 80 kVA, Input 208V 3PH /
Output 120V, 208V, 208V 3PH, Interface Port
DB-25 RS-232, SmartSlot

Includes: Parallel card, Triple Chassis for 3
SmartSlots, User Manual, Web/SNMP
Management Card

Silcon Features & Benefits

Total Cost of Ownership

Fully-rated power kVA equals kW	Reduces cost by eliminating the need for an oversized UPS for Power Factor Corrected (PFC) loads.
Input power factor correction	Minimizes installation costs by enabling the use of smaller generators and cabling.
Temperature-compensated battery charging	Prolongs battery life by regulating the charge voltage according to battery temperature.

Availability

Automatic internal bypass	Supplies utility power to the connected loads in the event of a UPS overload condition or fault.
200% overload capability	The APC Silcon Series has the ability to supply 200% overload in normal operation for a period of 60 seconds. This enables the system to handle inrush currents, sudden peak loads and output faults without transitioning to bypass. The result is increased availability.
Generator Compatible	Ensures clean, uninterrupted power to protected equipment when generator power is used.
Intelligent Battery Management	Maximizes battery performance, life, and reliability through intelligent, precision charging.
Parallel-capacity capable	Increases total power capacity by using multiple UPSs simultaneously.
Parallel-redundant capable	Power the connected equipment with multiple UPSs to increase system redundancy.

Manageability

Network manageable	Provides remote management of the UPS over the network.
SmartSlot	Customize UPS capabilities with management cards.
LCD display	Alpha-Numeric Display which displays system parameters and alarms.
Manageable external batteries	Reduces preventative maintenance service needs by monitoring the health and status of the external batteries and their expected runtime.
Audible Alarms	Actively let you know if the unit is on battery, if the battery is low or if there is an overload condition.

Protection

Automatic self-test	Periodic battery self-test ensures early detection of a battery that needs to be replaced.
Locking cabinet	Prevents unauthorized access to the UPS.
Safety-agency approved	Ensures the product has been tested and approved to work safely with the connected service provider equipment and within the specified environment. UL, FCC, CE, C-Tick approvals.

Output

Output Power Capacity	80 kW / 80 kVA
Max Configurable Power	80 kW / 80 kVA
Nominal Output Voltage	120V,208V,208V 3PH
Output Voltage Note	Configurable for 200 : 208 or 220V 3 Phase nominal output voltage
Efficiency at Full Load	95%
Output Voltage Distortion	Less than 3%
Output Frequency (sync to mains)	50 Hz - programmable +/- 0.5 / 1 / 2 / 4 / 6 / 8%,60 Hz - programmable +/- 0.5 / 1 / 2 / 4 / 6 / 8%
Crest Factor	Unlimited
Waveform Type	Sine wave
Output Connections	(1) Hard Wire 5-wire (3PH + N + G)
Bypass	Built-in Static Bypass

Input

Nominal Input Voltage	208V 3PH
Input Frequency	50 Hz - programmable +/- 0.5 / 1 / 2 / 4 / 6 / 8%,60 Hz - programmable +/- 0.5 / 1 / 2 / 4 / 6 / 8%
Input Connections	Hard Wire 5-wire (3PH + N + G)
Input voltage range for main operations	170 - 230 (200V),177 - 239 (208V),187 - 242 (220V)V

Batteries & Runtime

Battery Type	No internal battery - uses external battery system
Replacement battery cartridge note	If longer runtimes are needed,please contact APC at 800-800-4272.

Communications & Management

Interface Port(s)	DB-25 RS-232,SmartSlot
Available SmartSlot™ Interface Quantity	2
Pre-Installed SmartSlot™ Cards	AP9617
Control panel	Multi-function LCD status and control console
Audible Alarm	Beep for each 52 alarm conditions
Emergency Power Off (EPO)	Yes

Physical

Maximum Height	1500.00 mm
Maximum Width	1000.00 mm
Maximum Depth	800.00 mm
Net Weight	552.27 KG
Shipping Weight	575.00 KG
Shipping Height	1700.00 mm
Shipping Width	1100.00 mm
Shipping Depth	900.00 mm
Color	Dark green (NCS 7020 B50G),Light grey (NCS 2703-G84Y)
Units per Pallet	1.00

Environmental

Operating Environment	0 - 40 °C
Operating Relative Humidity	0%
Operating Elevation	0-999.9 meters
Storage Temperature	-50 - 40 °C
Storage Relative Humidity	0%
Storage Elevation	0-15000 meters
Audible noise at 1 meter from surface of unit	65.00 dBA
Online Thermal Dissipation	13989.00 BTU/hr
Protection Class	NEMA 1 with NEMA 12 optional

Conformance

Regulatory Approvals	FCC Part 15 Class A,ISO 9001,ISO 14001,UL 1778,UL Listed,cUL Listed
Standard Warranty	1 year repair or replace,optional on-site warranties available,optional extended warranties available