

Silcon

APC Silcon 40kW 208V UPS w/ 2 BPI



APC Silcon, 40 kW / 40 kVA, Input 208V 3PH /
Output 120V, 208V, 208V 3PH, Interface Port
DB-25 RS-232, Contact Closure

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 | 40 kW / 40 kVA |
| Max Configurable Power | 40 kW / 40 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

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|---|---|
| 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 | Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof |
| Typical recharge time | 2 hour(s) |
| RBC™ Quantity | 2 |
| Typical Backup Time at Half Load | 14.2 minutes (20000 Watts) |
| Typical Backup Time at Full Load | 3.7 minutes (40000 Watts) |
| Runtime Chart | Silcon |

Communications & Management

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|---|------------------------------|
| Interface Port(s) | DB-25 RS-232,Contact Closure |
| 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 | 1400.00 mm |
| Maximum Width | 1000.00 mm |
| Maximum Depth | 800.00 mm |
| Net Weight | 650.00 KG |
| Shipping Weight | 672.74 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 | 55.00 dBA |
| Online Thermal Dissipation | 7165.00 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 |

**The time to recharge to 90% of full battery capacity following a discharge to shutdown using a load rated for 1/2 the full load rating of the UPS.