Features & Benefits

Economy

INPUT POWER FACTOR CORRECTION:

The APC Silcon Series is power factor corrected on the input side, which ensures that the input power factor is always 1 regardless of load and mains voltage. This considerably reduces installation costs by allowing the use of smaller cables and smaller fuses. In addition, the APC Silcon Series reduces the costs associated with generator back-up, as input power factor correction eliminates the need for oversizing the generator.

DELTA CONVERSION ON-LINE TECHNOLOGY:

The APC Silcon Series provides an economic approach to power protection strategies featuring efficiencies up to 96.5%. The on-line efficiency translates directly into reduced operating costs by minimizing heat loss and consequently lowering both electricity and air conditioning consumption.

FULL-RATED POWER WITH KVA EQUALING KW:

The full-rated inverter of the APC Silcon Series is a perfect match for today's power-factor corrected computer loads, eliminating the need for an oversized UPS.

TEMPERATURE COMPENSATED BATTERY CHARGING:

Temperature Compensated Battery Charging provides prolonged battery life by regulating the charge voltage according to actual battery temperature.

Availability

BUILT-IN STATIC BYPASS SWITCH:

The built-in static bypass switch enables the UPS to transfer the load to utility power, without interruption, in case of heavy overload or faulty conditions.

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.

PARALLELING FEATURES FOR CAPACITY AND REDUNDANCY:

If required for capacity or redundancy, APC Silcon Series can easily be expanded by paralleling units. Up to four units can be configured in parallel without the need for an external control cabinet. For even higher power requirements or redundancy a total of up to nine units can be paralleled to supply the load.

Manageability

INTELLIGENT BATTERY MANAGEMENT:

The APC Silcon Series features intelligent battery monitoring and temperature-compensated battery charging. Battery data is continuously compared to pre-programmed data in the monitoring software to ensure reliable batteries. A reduction in battery capacity automatically triggers an alarm.

SMART SLOT:

Choose from various management cards to customize your UPS and increase overall system availability. Options include; out-of-band management and remote power off. SmartSlot management cards are sold separately.

NETWORK MANAGEMENT:

UPS Network Management Card with Environmental Monitoring provides management of the UPS by connecting directly to the network via web browser, Telnet or SSH. Notification features inform you of problems as they occur. For protected servers, graceful unattended shutdown software is provided.

MULTIPLE SYSTEM SHUTDOWN:

Provides graceful, unattended shutdown for the connected servers should an extended power outage occur.

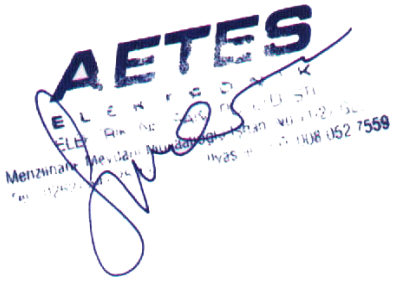
Protection

Designed and manufactured under ISO9001 / ISO14001 certification

Silcon®10 to 500 kVA/kW

Three-phase on-line power protection for data centers, facilities, and high availability applications

The APC Silcon Series has the load capacity to serve a broad range of electrical equipment - from mainframe computers to Large Corporation-wide installations, production lines, electronic control systems and telecommunication equipment. Up to nine Silcon units can be paralleled to serve special demands for power upgrading or redundancy.



APC®
Legendary Reliability®