## Deploying equipment offsite in co-location sites or the cloud

### Challenge

"I am adopting cloud computing for a portion of my business applications and data and need help maintaining availability

Robust protection for networking connections is critical to ensure business continuity when applications and data are offsite.

With the ease of adopting cloud computing, it is inevitable that some data and applications will eventually move there. Cloud providers offer many options for moving and storing data in the cloud, and often provide service level strategies well beyond the financial capabilities of small and medium businesses.

Aside from deciding what to migrate to the cloud and why, its very important to establish a more robust protection strategy for what is left, which is usually critical equipment that connects your business to your offsite data and applications. Simple solutions can help maintain availability of your on-premise equipment, protecting from power outages, physical and environmental threats and even security threats.

Migrating equipment typically means less physical equipment onsite, and can be an opportunity to move, consolidate and reorganize equipment.

# Benefits



- > Protection from power outages
- > Redundant power protection
- > Purpose built solutions that are right sized for onsite needs.
- > Scalable runtime solution for customized power backup time.
- > Switchable outlets for remote power cycling
- > Rack solutions that keep critical equipment secure.



#### Target Segments and Applications

- > Virtualized Server Rooms
- > Recently Consolidated Equipment
- > Cloud connection and onsite storage
- > Co-located equipment
- > On-premise critical business applications



The new Smart-UPS X 3000 is a high performance, high efficiency UPS system, capable of providing over 30 mins of runtime with 1 additional battery pack, shown at left. UPS systems provide runtime when utility power fails, keeping critical computing and connection equipment operational. This UPS is also equipped with a network management card, which allows remote monitoring of power conditions, as well as control of 3 separate banks of outlets, letting you shed loads and reboot devices.

Protecting critical loads means removing points of failure and having a plan in place for any circumstance that threatens business continuity. This solution includes using a Service Bypass PDU to ensure that critical loads can be powered at all times.



This allows you to change UPS configurations and even move equipment without the need of powering it down. This device is small enough to mount in the rear of the rack, or along the rear rails, consuming no U spaces. Together with a UPS, this gives uninterrupted power for the longevity of the equipment that is connected, providing maximum availability for your most critical loads.

Bill of Materials	
24U NetShelter SX Enclosure	AR3104
3kVA Smart-UPS X 120V with NMC Card	SMX3000RMHV2UNC
Battery Pack (30 mins runtime each)	SMX120RMBP2U
Roof Fan Tray	ACF502
Service Bypass PDU	SBP3000RMI
Vertical Cable Manager	AR8442

Solution Attributes	
Rack Equipment Capacity	20U
Power Capacity	3kVA (2.7kW)
Power Output Voltage	230v
Total Available Power Outlet Types (this attribute includes all outlets in the solution, and accounts for outlets used by powered solution components)	(14) IEC 320 C13 (1) IEC 320 C19
Connection Type for Solution	IEC 320 C20, Schuko CEE 7/EU1-16P, BS1363A
Runtime as Configured at Full Load	31 minutes (incl. 1 battery pack)



The AR8442 vertical cable manager is an easy way to route cables inside any enclosure, and its design allows you to add and remove cables over time, which is inevitable.

### Additional Details & Options

Remote management of this solution requires the use of two network ports and IP addresses. This solution allows control of individual outlets, monitoring of temperature, humidity and rack or room door status (open/closed) & proactive notifications and warnings for power issues, outages, and even battery life. Explore the user interface and options at http://testdrive.apc.com



If 24U is not enough, consider another size. Our NetShelter SX enclosures are available in several other sizes to accommodate more equipment.

AR3104 – 24U 600mm W x 1070mm D AR3100 – 42U 600mm W x 1070mm D AR3107 – 48U 600mm W x 1070mm D