

What is the HPE Smart Storage Battery?

The HPE Smart Storage Battery is a lithium-ion, low-halogen centralized backup source and is required to back up the write cache content onto flash memory on the HPE Smart Array Gen9 and newer storage controllers in case of an unplanned server power loss.

How many batteries does a HPE smart storage hybrid capacitor need?

Only one battery is required per server as it can support multiple devices. The HPE Smart Storage Hybrid Capacitor is a battery-free technology for power storage that provides data protection for cached data while eliminating costs and environmental impact of lithium-ion batteries.

How do I replace the HPE smart storage battery holder?

To replace the HPE smart storage battery holder in a HPE ProLiant DL20 Gen9 Server, lift the chassis to access the bottom and push the latch of each holder to remove the holders. Reverse the removal procedure to install a new one. Allow the drives and the internal system components to cool before touching them to reduce the risk of personal injury from hot surfaces.

How many smart storage batteries can be used per system?

In most cases, only a single Smart Storage Battery or a single Smart Hybrid Capacitor can be used per system. Please check your server platform QuickSpecs for details. Notes: The HPE Smart Storage Hybrid Capacitor is only supported on Gen10 servers or later.

What is HPE smart hybrid capacitor?

For those running HPE Gen10 servers, the HPE Smart Hybrid Capacitor is a centralized backup power source supporting multiple controllers where the NAND flash memory on HPE Smart Array Performance Class controllers and the HPE Smart Hybrid Capacitor work together to save cached data in the event of unplanned server power loss.

Can a hybrid capacitor module be used with a smart storage battery?

Please note, although the hybrid capacitor module is mechanically compatible with the 96W Smart Storage Battery (P01366-B21 and P01367-B21), the module cannot be used in combination with the Smart Storage Battery. In most cases, only a single Smart Storage Battery or a single Smart Hybrid Capacitor can be used per system.

A single 96W battery can support up to 24 devices. After the battery is installed, it might take up to two hours to charge. Controller features requiring backup power are not re-enabled until the battery is capable of supporting the backup power. This server supports the 96W HPE Smart Storage Battery with the 260mm cable.

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The IML shows the Array Storage Battery is failed. From the documentation I can find, apparently this should not cause the server to just up and reboot. It's taking down some 10 VM's in the process including my IP phone system. Anyone see this happen if one of these storage batteries needs replaced?

The HPE Smart Storage Battery is a lithium-ion, low-halogen centralized backup source and is required to back up the write cache content onto flash memory on the HPE Smart Array Gen9 and newer storage controllers in case of an unplanned server power loss.

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