

Guard facilities greatly impacted by unplanned downtime against power supply problems

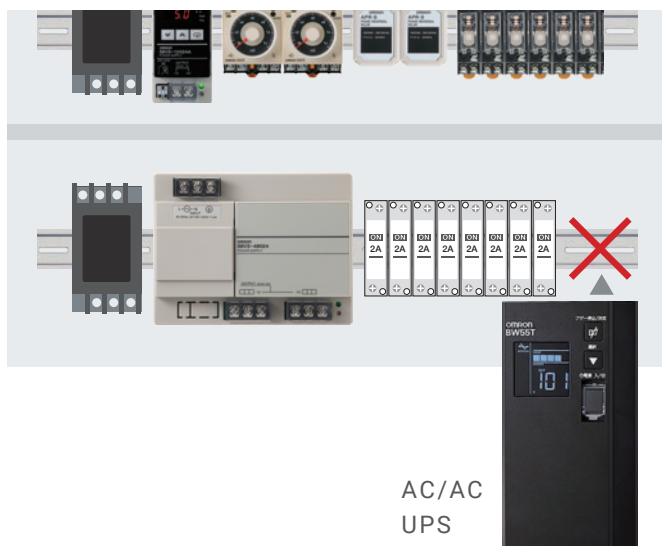
Unplanned power outages, caused by lightning, earthquakes, power line issues, and other incidents, can lead to equipment failure at production sites that process auto parts or metal parts for electronic equipment chassis, and are therefore a major problem at such sites. As equipment becomes more advanced, however, more devices must be installed in-panel, leaving little room for anything that can help resolve these power supply issues.

Stabilizing power supply while maintaining equipment size

Our Value Design for Panel products take up significantly less space compared to conventional devices. For example, you can dramatically reduce device footprint by switching from an AC/AC UPS to a DC/DC UPS, and save even more space by adopting slimmer products, including the power supply, terminal block, and noise filters which are peripherals for the UPS. This allows you to upgrade your equipment while maintaining its size.

Previous products

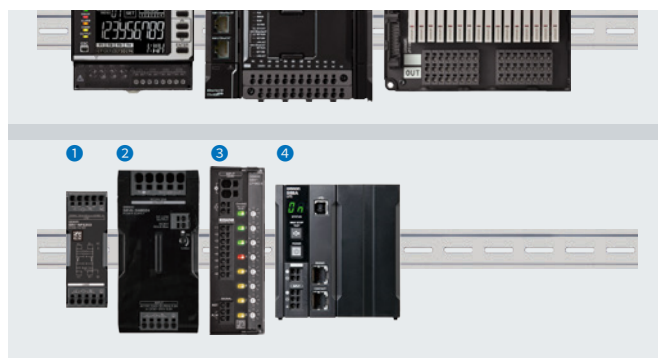
Panel packed full of devices, leaving no room for UPS



Value Design for Panel

* 1

Slim power supply and peripherals free up space for DC/DC UPS



- ① S8V-NF Noise Filter
- ② S8VK-S 480 W Switch Mode Power Supply
- ③ S8V-CP DC Electronic Circuit Protector
- ④ S8BA Uninterruptible Power Supply (UPS)

* 1. "Value Design for Panel" is the concept underlying the specifications of Omron's control panel products. By using multiple Value Design products together, customers can add new value to their control panels.

Achieve stable equipment operation and system reliability by preparing equipment against power supply issues caused by momentary power outages, human error, etc.

Example: Securing traceability

Backup power supply for image sensors and communication devices allows image data for traceability to be saved even if a momentary power outage occurs, ensuring the integrity of all image data by keeping the system running until data is saved to the host system.

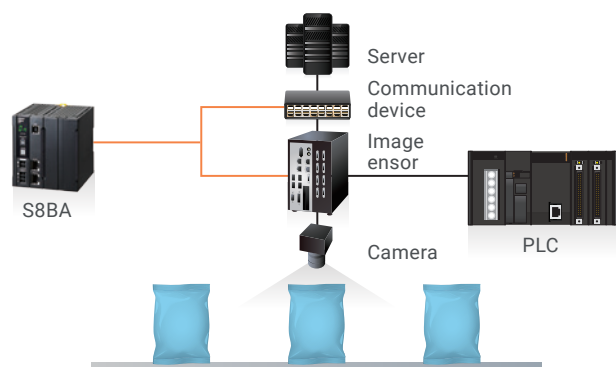
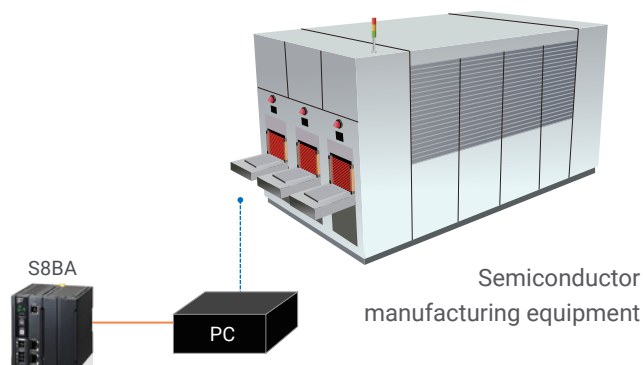


Image inspection process at food factory

Example: Proper PC shutdown

In the event of unexpected power outages, such as those caused by maintenance workers failing to adhere to equipment shutdown procedures, S8BA kicks in as a backup power supply for the communication PC. This allows the PC to be shut down properly, preventing data loss. You can also downsize your equipment by using a compact built-in PC together with a compact UPS.

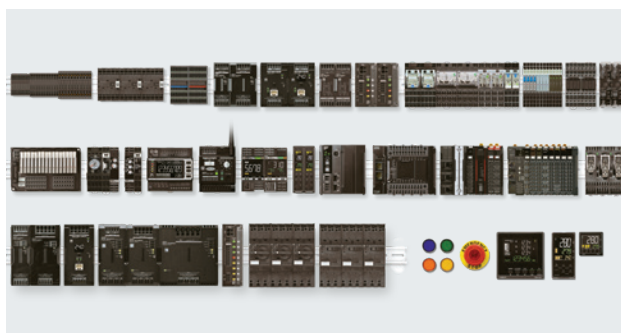


Semiconductor manufacturing equipment

Explore better solutions with Omron's control panel products

Omron offers an extensive lineup of Value Design for Panel products which require less space, effort, and workload compared to their previous counterparts. By using multiple Value Design products together, you can boost the value of your control panels.

For more information, see our catalog "New Value for Control Panels" (Cat. No. Y218).



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