Meet the most reliable medium-voltage UPS for large data center applications
The PCS120 MV UPS

The PCS120 MV UPS’s key benefits and advantages create a robust and extremely reliable power protection device for critical facilities.

- **High availability**
  The medium-voltage design, based on high performance ABB power converters and switch-gear, manages harsh grid disturbances like voltage imbalances, providing high system uptime.

- **Reduced TCO**
  A design lifespan of fifteen years, allied with high energy efficiency at different load levels, grid support and the embedded power conditioning features, leads to an enormous reduction in the total cost of ownership.

- **Flexibility**
  Different voltage classes, battery autonomy ranges, indoor and outdoor versions are all available. The design provides seamless integration into power systems with sources such as the grid or diesel or gas turbine generators. Up to 10 units can be connected in parallel for maximum flexibility.

- **Reduction of CO₂ emissions**
  The PCS120 MV UPS can reduce the CO₂ emissions by up to 83 tonnes per year when compared to a rotary UPS, supporting greener designs.

- **Single technology supplier**
  ABB’s all-in-one package delivery model can include energy storage systems, switchgear, HVAC, commissioning, service and training for a complete single-supplier solution.

- **Serviceability**
  Thanks to the frontal access to the low-voltage power converters, replacing a module takes less than fifteen minutes. Condition monitoring and maintenance contracts covering spare parts are available for total peace of mind.
The PCS120 MV UPS UPS offering

From effortless installation to industry-leading innovation, explore how your facility can harness its exceptional performance.

**Up to 22.5 MW scalable power**
Scalable power from 2.25 MW up to 22.5 MW in parallel configuration allows load growth as your power requirements increase, minimizing CAPEX.

**Optimized efficiency**
4.2 GWh of energy savings over 15 years when compared to rotary systems. Leading efficiency for line-interactive UPS.

**Grid support services**
20 percent of system energy reserve available for grid support services.

**Reliable operations**
Five-years intervals between intrusive maintenance. ABB’s Ability™ Real-time monitoring for maximum uptime.

**Reduction of CO₂ emissions**
1,245 tons of CO₂ emissions reduction throughout the lifespan of the product.

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