



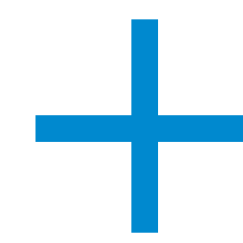
Power and productivity  
for a better world™

# PCS100 Medium Voltage UPS

Complete power protection for mega data centers and industrial processes.



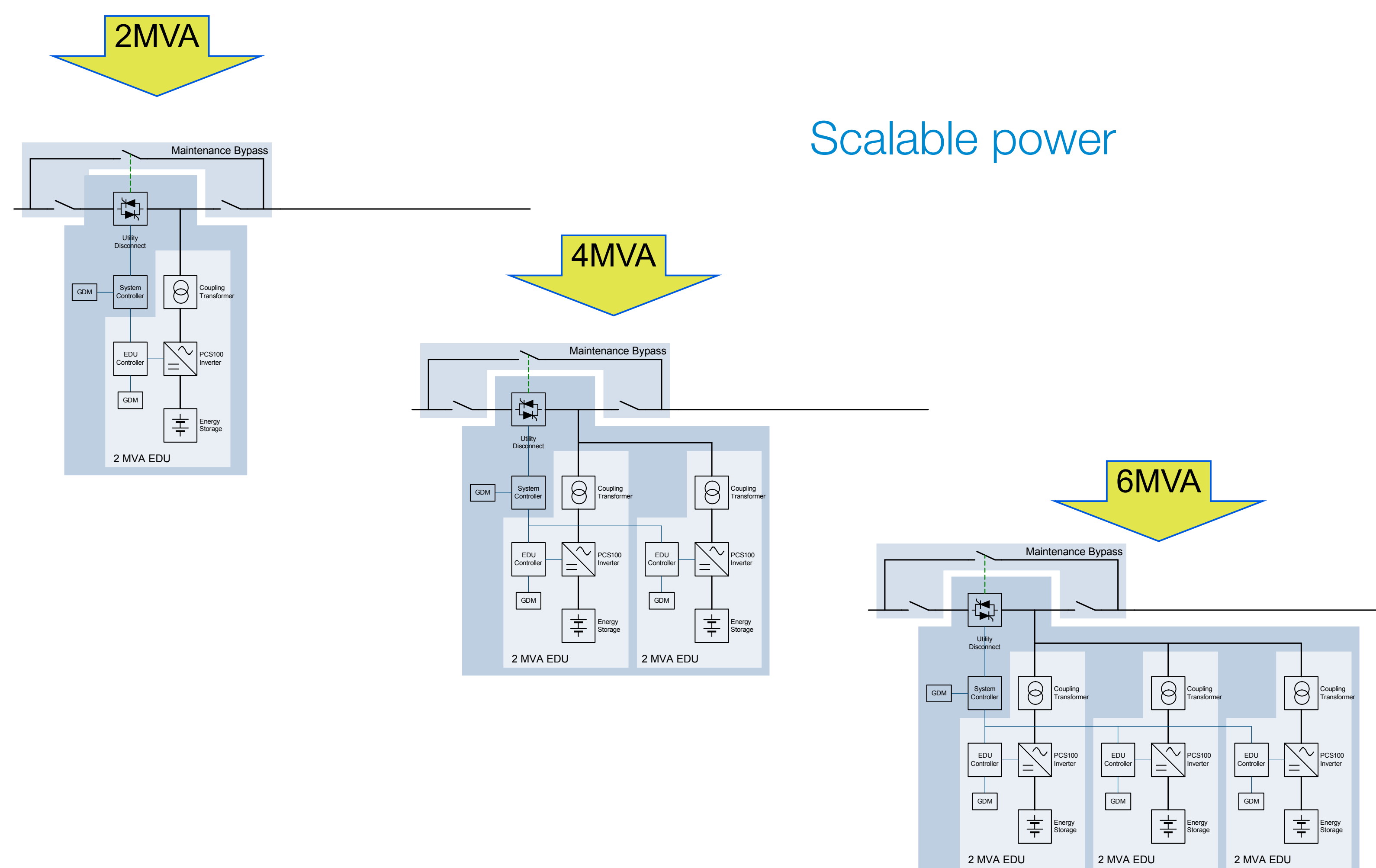
Designed for large manufacturing plants through to mega data centers, ABB's PCS100 Medium Voltage UPS is the solution for any high powered industry. With multi megawatt ratings, allows customers to choose the solution that best suits their applications.



## Advantages

- Complete power protection: When installed at medium voltage levels, the PCS100 MV UPS can be put in less crowded spaces away from the target devices.
- Lowest total cost of ownership: The unparalleled efficiency of the PCS100 MV UPS, its minimized maintenance costs and small system footprint minimize ownership costs. The fact that the energy storage and converter is at the low voltage level also greatly simplifies maintenance and reduces system cost.
- Retrofit possibilities: The PCS100 MV UPS has many retrofit possibilities that allow custom designs that suit applications in plants that are currently unprotected or where traditional rotary UPS solutions require replacement.

**Scalable Solution 2,4,6 MVA**  
Add 2MVA EDU's at a later date



## Specifications

### Technical details

Item	Value	
Nominal Voltage	6.6 kV	(to 15kV class stage 2)
Power Frequency Withstand	20 kV	
Basic impulse level (BIL)	60 kV	
Power	2, 4 & 6 MVA	(to 12 MVA stage 2)
Power factor (pf)	0.7 lag to 0.9 lead	
Autonomy (capacitors)	1 s	At 1.0 pf, valid for 15 years
Autonomy (batteries)	15 minutes	At full load
Event detection	<500 μs	
Transfer performance (under voltage)	Class 2	Per IEC 62040-3
Transfer performance (over voltage)	Class 1	Per IEC 62040-Comments 3
Maximum motor load	25%	Excludes motors on VSD
Efficiency	>99.5%	

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