



Maximized Flexibility

Integrated autonomies and matching battery cabinets

Up to 160 battery blocks can be fitted in the PremiumTower 10 to 60 kW, reducing the total footprint and optimizing costs. For higher ratings and extended runtime, matching battery cabinets are available.

Flexible battery blocks

The flexibility in the number of battery blocks (20 to 50), eliminates the need to oversize the batteries and allows system designers to optimize cost versus autonomy time.

Compatible with different battery technologies

Lead acid, Gel, NiCd, Flywheels, Lithium and other types of energy accumulators can be used with PremiumTower™.

Dual or single input feed

PremiumTower can be supplied with two independent AC sources to further increase the power availability of the installation.

20 to 50 Flexible Battery Blocks

Unbeatable Efficiency 96.6%

Increased nominal rating (kW = KVA)

Near unit input power factor at full or partial loads

Compact mechanics with only 0.36 m² for 120 kW

Ease of service with front access only

500% higher charging current than typical standalone UPS

Power density
Up to **415 kW/m²**



centiel
continuous power availability

PremiumTower™



www.centiel.com

VS/7/19

centiel
continuous power availability



PremiumTower™

Class leading availability
Three-phase UPS 10-250 kW

**LITHIUM
READY**



www.centiel.com



Scalable and Robust Design

From 10 to 250 kW, **PremiumTower™** is a Swiss made three-phase, online double-conversion Uninterruptible Power Supply. Configurable as a standalone UPS or as a parallel multi-cabinet system, PremiumTower provides the ultimate flexibility for future growth.

PremiumTower offers scalability of up to 7.5 MW, delivering the best power protection for data centers, comms rooms, IT networks, manufacturing and any mission-critical applications demanding high availability.

Advanced Performance

High reliability by design

Three independent power converters increase system reliability and provide power continuity even in cases of power component failure.

Market leading charging current

With the ability to provide up to 5 times more charging current than typical standalone, PremiumTower reduces the total system cost by eliminating the need for external battery chargers.

Outstanding overload capacity

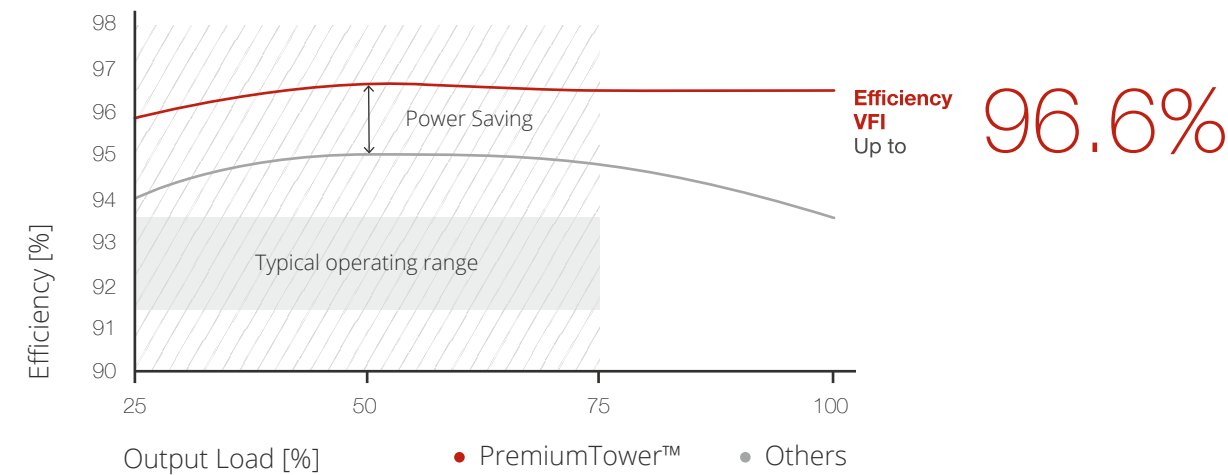
With a 120% continuous operation in overload condition, mission-critical applications can be safe in the event of unexpected load demands.

Short circuit capability

With a Short Circuit capability of 3 times nominal current (3 x In), PremiumTower is able to clear output circuit protection in milliseconds.

Lowest Total Cost of Ownership

PremiumTower™ delivers unbeatable energy efficiency in a robust and compact design.



High efficiencies in VFI and ECO mode

PremiumTower provides optimized partial and full load efficiencies of up to 96.6% in online double-conversion mode.

In Ultra-Safe ECO mode the UPS provides an excellent power quality with 99.4% efficiency.

Minimized footprint (save of valuable floor space)

From 0.29 m² (for 10 - 60 kW) to 0.6 m² (for 250 kW), PremiumTower optimizes valuable floor space, eliminates the cost of the battery cabinet, and simplifies the installation.



Easy to service

Minimized maintenance and repair time contribute to keeping the systems' high availability.

Front access

Front access for service and maintenance removes the need for unnecessary movement and relocation of the UPS.

Swappable plug and play internal components

Critical components are easily swappable, reducing repair time and costs.

User-friendly display

The display and LED interface (optional touchscreen) give immediate visibility to the status of the UPS.

Always connected

Real-time remote monitoring allows for close control of the UPS parameters, preventing downtime and allowing for proactive maintenance.

Communication

Remote monitoring

Graphical display

Generator operation mode

Auxiliary contacts

Output general alarms

Dry contacts

Programmable input and output

Dry contacts

Compensated battery charging

Temperature probe

SNMP, Modbus, ModBus over IP

Slide-in adaptors

Simplified service

RS232 and Bluetooth app



PremiumTower™ 3:3

From 10 to 250 kW

Tower E



Model	PT010-I080-D0	PT020-I080-D0	PT030-E-D0 PT030-I160-E0	PT040-E-D0 PT040-I160-E0	PT060-E-D0 PT060-I160-E0
Max Power [kVA/kW]	10/10	20/20	30/30	40/40	60/60
Footprint	D 0.29 m ²	D 0.29 m ²	D 0.29 m ² E 0.44 m ²	D 0.29 m ² E 0.44 m ²	D 0.29 m ² E 0.44 m ²

PremiumTower™ 3:1

From 10 to 30 kW

Tower D



Tower F

Tower G

Tower H



Model	UPS-PT080-E30-F0 UPS-PT080-E40-F0	UPS-PT100-E30-F0 UPS-PT100-E40-F0	UPS-PT120-E30-G0 UPS-PT120-E40-F0	UPS-PT160-E30-G0 UPS-PT160-E40-G0	UPS-PT200-E30-H0 UPS-PT200-E40-H0	UPS-PT250-E40-H0
Max Power [kVA/kW]	80/80	100/100	120/120	160/160	200/200	250/250
Footprint	F 0.36 m ²	F 0.36 m ²	F 0.36 m ² G 0.44 m ²	G 0.44 m ²	H 0.60 m ²	H 0.60 m ²