MODULAR THREE-PHASE UPS 380V TO 480V

MEGAFLEX DPA (500 KW - 2000 KW)

An intelligent, future-ready UPS system delivering modular power protection with AI-enhanced operational reliability, and energy-efficient performance.

- Market-leading energy efficiency up to 2000 kW frame
- Modular UPS system with flexible capability up to 6000 kW in a parallel configuration
- Footprint optimal performance with true front access

ENGINEERED
TO OUTRUN



AI-ENHANCED OPERATIONAL RELIABILITY

The ABB MegaFlex DPA UPS system delivers validated performance for AI workloads, demonstrating compliance with customer-specific load profiles. We maintain critical power supply under Class-1 top standards, eliminating the need for auxiliary energy storage for standard operation. The entire UPS portfolio is engineered for AI-readiness and future scalability.



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SMART POWER PROTECTION FOR DYNAMIC GROWTH IN AI-DRIVEN DATA CENTERS

ABB's MegaFlex DPA UPS solution

MegaFlex DPA UPS ensures high-efficiency, online double conversion power protection for mission-critical systems ranging from 250 kW to 6000 kW.

As the world accelerates into a hyperconnected, AI-powered future, the demand for secure, reliable, and instantly accessible data has surged exponentially. Today's Hyperscale and Neocloud data centers are the digital backbone of global finance, commerce, healthcare, government, and the ever-expanding universe of social platforms and AI applications.

These intelligent infrastructures house vast networks of servers and storage systems, operating at unprecedented scale and speed. To meet the demands of real-time data processing and AI workloads, data centers are increasingly consolidated into massive, high-density facilities—consuming tens of megawatts and beyond.

Such scale requires more than just power—it demands precision power. Public grids alone can't deliver the ultra-reliable, high-quality energy these environments need. That's why advanced, AI-optimized power protection systems are

ABB's MegaFlex DPA UPS is specifically designed to provide such top-class, cost-effective power protection for critical high-density computing environments across private and public enterprise, as well as data centers for colocation, hosting cloud and telecommunications.

The modular UPS is based on ABB's decentralized parallel architecture (DPA™). This innovative system means every UPS module is practically its own UPS with all the essential functional units needed for independent operation. The scalability of DPA means the UPS can be sized exactly to fit prevailing needs and modules can simply be added as requirements grow in a safe way. This means that you only purchase, power, service and cool what you need.

In the unlikely event of one UPS module failing, the other modules (in an N+1 setup) can take up its load until a new module is inserted. Modules can be added or removed safely without powering down, thus cutting service costs. Modularity and scalability help minimize the cost of ownership, but costs are held down too by implementing designs that have best-in-class energy efficiency.

Footprint savings of
45%

Outperforms its competitors up to 2000 kW frame with VFI system efficiency of up to
97.6%

Design life of up to
15 YEARS
reduces total cost of ownership

DPA provides full redundancy and fault tolerance in a way that is unique among UPS vendors. This results in reduced initial costs and running costs as well as an increased system reliability and availability that outperforms every other modular UPS solution on the market.



01

Flexible approach

- Easily scalable modular system
- Up to 2000 kW power protection in a single UPS frame with add-on modules
- Redundant power capabilities: 1250 kW N+1, 1750 kW N+1
- Easy and safe upgrade for power demand increases
- Decentralized or centralized static bypass architecture available
- Can be paralleled with additional systems

02

Optimized efficiency

- Best-in-class efficiency up to 97.6 percent (VFI) at system level up to 2.0MW frame size
- Minimized energy losses impacting on lowering TCO, reducing heat dissipation and saving OPEX
- Smart load-sharing optimizes energy consumption
- Optimizing dynamically the system efficiency under low load conditions with ABB Xtra VFI
- Reducing emissions through highly efficient solution

03

Reliable operations

- DPA™ technology maximizing power availability
- Online-swappable power modules for continuous uptime
- Automatic isolation of any faulty power module
- Fault-tolerant UPS design for uninterrupted power increasing MTBF
- Proven technology from world-leading power protection pioneers

04

High serviceability

- Each module is independently functional with inherent redundancy between UPS modules
- Plug-in power modules support easy, safe connections
- Pre-engineered power frames eliminate wiring entirely
- Plug-in design makes it easy and safe to online-swap reducing MTTR
- Cable-free design for online swapping and upgrade power modules

01 THE FLEXIBLE APPROACH

As your power requirements increase, you need a UPS that grows with your infrastructure. With three or four power frame slots and connection frames rated for 1000 kW, 1500 kW and 2000 kW, the MegaFlex DPA UPS offers a flexible mechanical layout that can adapt to your current system and future power expansion.

Flexible approach

- Easily scalable modular system
- Power capacity can be optimized to match variable loads
- Easy upgrade for power demand increases
- Ease-of-use for operations personnel
- Simple maintenance
- Can be paralleled with additional systems

250 KW - 2000 KW



Flexible mechanical layout of MegaFlex DPA (DPA frame 1500 kW picture)

750 kW N+1 to **1000 kW**

1000 kW N+1 to **1500 kW** or 1750 kW N+1 to **2000 kW**

02 OPTIMIZED EFFICIENCY

Running a facility with high energy demands means that every percentage point of energy saved represents significant cost savings and a reduction in CO_2 emissions.

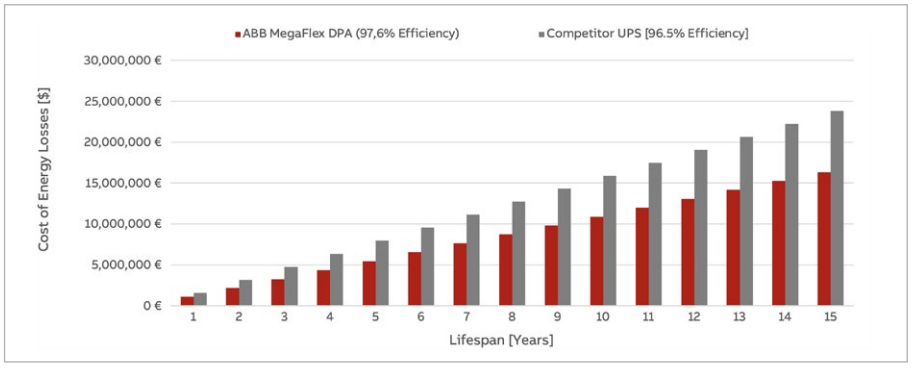
Optimized efficiency

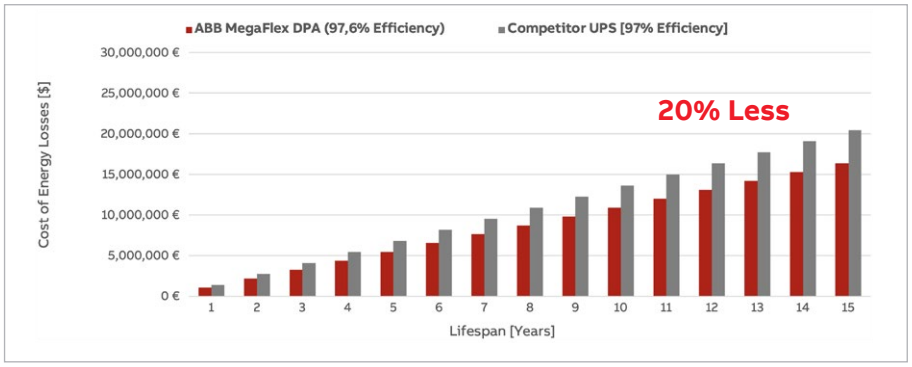
- Best-in-class power density versus efficiency ratio on the market
- VFI double conversion operating mode with efficiency of up to 97.6 percent at system level, rising to 99.4 percent efficiency in VFD eco mode Up to 45 percent footprint savings with ultra-high kW per m2
- Optimized efficiency in partial-load conditions
- Optimized TCO (total cost of ownership)
- Contributing to a lower carbon global data center industry

Intelligent energy management

Because data center power requirements can change over time, a high degree of adaptability is required to effectively manage varying demands. Traditional UPS systems can fare poorly when the load is less than 25 percent of full system capacity. The MegaFlex DPA UPS Xtra VFI operating mode is a smart way to minimize losses and improve efficiency when running in the default double conversion mode. When Xtra VFI mode is enabled, it automatically adjusts dynamically the number of active modules according to the power load requirement. Modules that are not needed revert to standby, ready to reactivate if the load increases.

Example: **48 MW IT load data center**; 2N design, over **15 years** of UPS service life





03 RELIABLE OPERATIONS

Critical, high-density computing environments demand a combination of guaranteed uptime and the highest safety standards to ensure both assets and people are protected.

Reliable operations

- Fault tolerant system, no single point of failure
- Automatic power module self-configuration and firmware updates
- Slide-in power modules for simple and safe installation
- Full lifetime service from ABB-trained specialists or certified partners
- Enhanced power measurement, providing comprehensive data to track energy consumption and status of internal components allowing pro-active decision-making maintenance actions



Flexible mechanical layout of MegaFlex DPA (DPA frame 1500 kW picture)

04 HIGH SERVICEABILITY

Serviceability has never been easier than with the MegaFlex DPA UPS's modular design. Each component has been expertly engineered to optimize accessibility and to reduce the possibility of human error.

High serviceability

- Plug-in power modules support easy, safe connections
- Pre-engineered power frames and power distribution frame eliminates wiring entirely
- Standardization of the modules



Designed for ease of use from the first moment of installation, the module cabinets are easily transported to the UPS and slide into place.

Docking connectors eliminate the threat of cabling faults during installation while entry points at the front and rear of the IP20-protected cabinet make connecting mains cabling convenient, safe and worry-free.

The fan array is mounted on a pull-out drawer for ease of access with failure detection and speed regulation provided as standard.



THE MEGAFLEX DPA PORTFOLIO

01 MegaFlex DPA 1000 kW - RSF

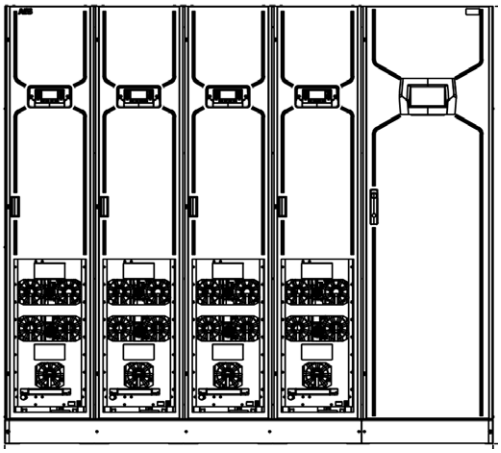
02 MegaFlex DPA 1000 kW - LSF

03 MegaFlex DPA 1500 kW

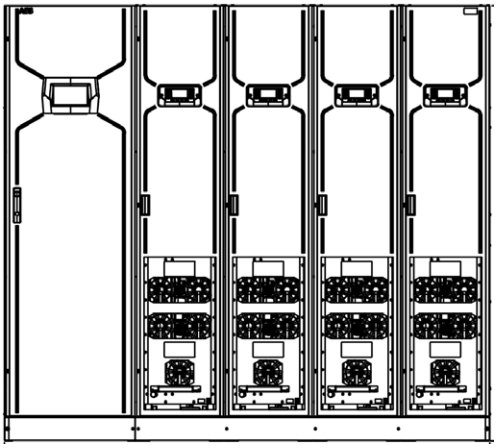
The MegaFlex DPA UPS comes in two variants:

- MegaFlex DPA with distributed bypass (DSB)
- MegaFlex DPA with centralized bypass (CSB)

The difference between these two variants is that the MegaFlex DPA features a distributed static bypass switch, whereas the MegaFlex DPA CSB has a centralized static bypass switch.

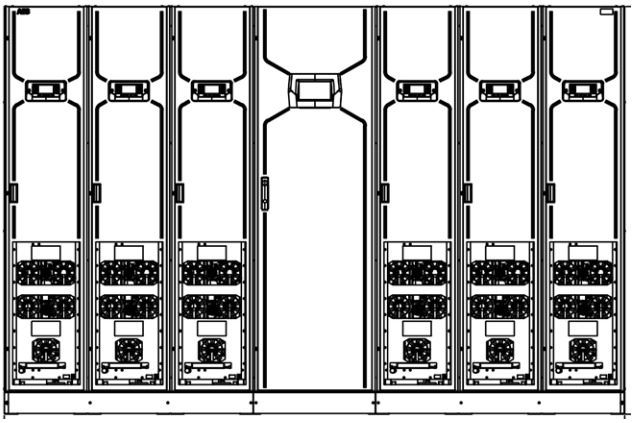


01



02

Power rating	**kW**	**1000 kW**
	mm	2236 x 2000 x 1000
Dimensions (w x h x d)	inches	88.03 x 78.74 x 39.37
Frame weight (without power modules)	kg/lbs	547 / 1206
Frame weight (with all power modules inside)	kg/lbs	1965 / 4332

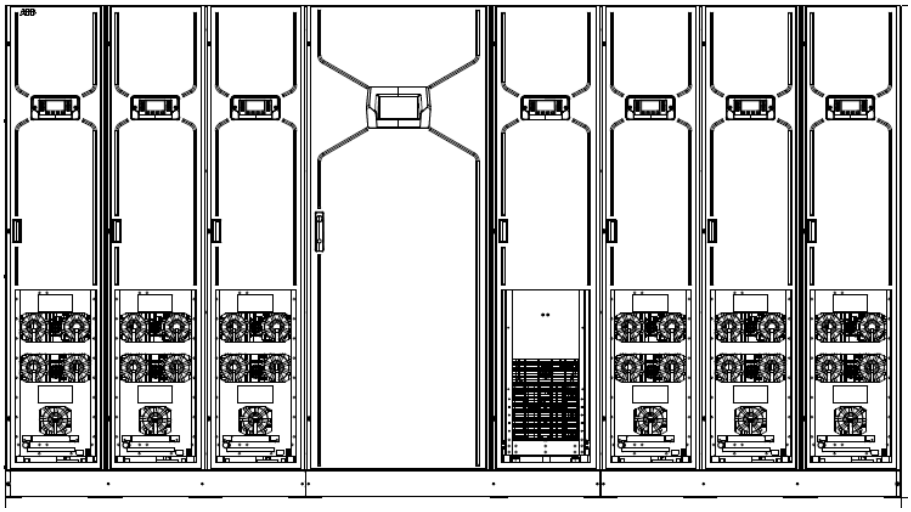


03

Power rating	**kW**	**1500 kW**
	mm	3050 x 2000 x 1000
Dimensions (w x h x d)	inches	120.08 x 78.74 x 39.37
Frame weight (without power modules)	kg/lbs	895 / 1973
Frame weight (with all power modules inside)	kg/lbs	3022 / 6662

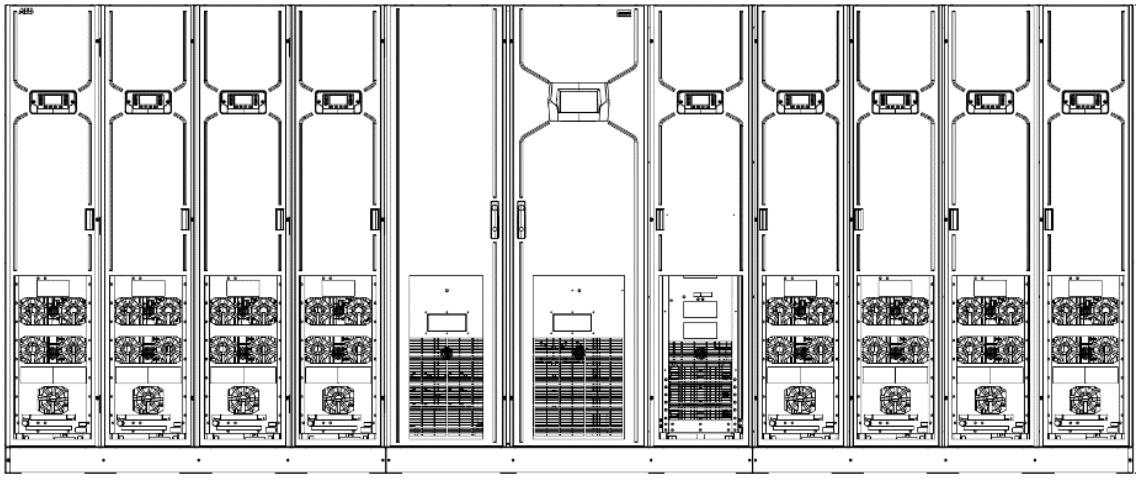
04 MegaFlex DPA
CSB 1250 kW to 1500 kW

05 MegaFlex DPA
CSB 1750 kW to 2000 kW



04

Power rating	kW	1250 kW	1500 kW
	mm	3645 x 2000 x 1000	
Dimensions (w x h x d)	inches	143.50 x 78.74 x 39.37	
Frame weight (without UPS power modules & Bypass module)	kg/lbs	1200 / 2645	
Frame weight (with full configuration UPS power modules & Bypass module)	kg/lbs	3290 / 7253	3634 / 8012



05

Power rating	kW	1750 kW	2000 kW
	mm	4830 x 2000 x 1000	
Dimensions (w x h x d)	inches	190 x 78.74 x 39.37	
Frame weight (without UPS power modules & Bypass module)	kg/lbs	1494 / 3294	
Frame weight (with full configuration UPS power modules & Bypass module)	kg/lbs	4288 / 9453	4600 / 10212

THE MEGAFLEX DPA

With distributed bypass (DSB)

The MegaFlex DPA double conversion online modular UPS with distributed bypass benefits from all the advantage of ABB's innovative DPA. The key features of this UPS are

- Distributed static bypass switches
- Each UPS module can operate autonomously
- Redundant critical components and paths serving the load; no single points of failure
- UPS modules can be online-swapped without impacting the load.
- Redundant power configuration (N+1) with common or separate batteries
- Smart load sharing between the active UPS modules
- Continuous and redundant control and monitoring on module and system level.

Power capacity and redundancy can be tailored to suit with up to 4500 kW power protection available in a single UPS system by paralleling power modules of 250 kW. Additional power modules can be slid in, adding power capacity or providing internal redundancy (N+1).

With a 97.6 percent UPS module efficiency, 97.6 percent system efficiency in double conversion mode and 99 percent efficiency in ECO mode, the MegaFlex DPA family are sure to cut your energy bill. The Xtra VFI double conversion mode improves efficiency under low-load conditions, making further savings.

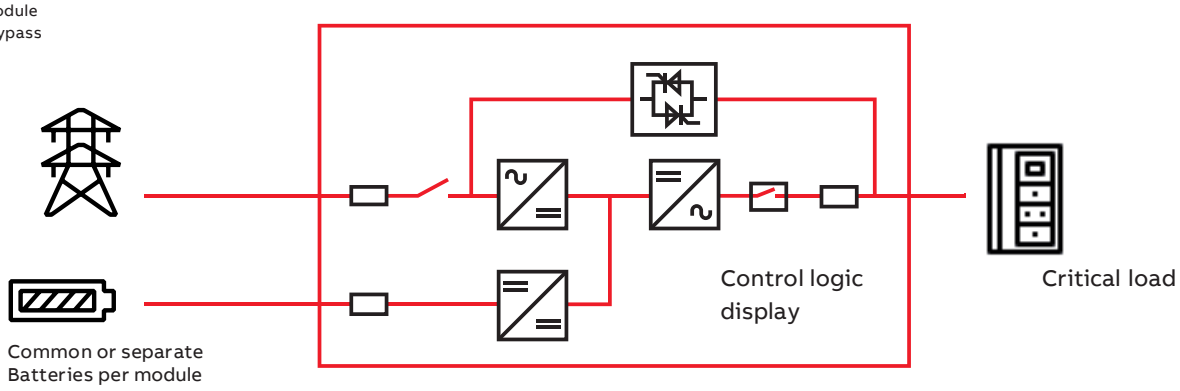
Simply and safe installation is guaranteed as the UPS is provided with pre-engineered power frames that accommodate the modules and busbars that eliminate wiring entirely. Slide-in power modules with safe, plug-in connections remove any electrical hazard. To make external cabling easier, top or bottom cable entry can be chosen.

Maintenance and monitoring is easy too: Module replacement takes just a few minutes and maintenance can be performed in the comfort and safety of a separate room. Modules can be safely re-inserted without powering down. Real-time monitoring is provided by the local system display or a display on each module. The system can also be monitored remotely via the web application. ABB Ability™ offers a complementary remote monitoring platform and management resources for proactive maintenance.

A variety of options for energy backup delivers the flexibility that users seek: The MegaFlex DPA family UPS systems can be installed with module-specific backup energy media for highest availability or a common battery for the whole UPS rack to optimize cost. The MegaFlex DPA UPS family is also compatible with multiple lithium-ion batteries – a good option for those who look for further space savings without compromise in backup time. In addition, the system is ready for new energy storage technologies available in the market.

ABB PowerExchanger is a function available on the MegaFlex DPA family enabling the UPS to interact with the grid and supply (upon external request) ancillary grid services. Through this frequency regulation function (FRF) the UPS can reduce/increase the input power flowing from the grid to the UPS or even reverse the flow and inject power back into the grid (back-feed), while maintaining constant output power.

ABB UPS power module
with distributed bypass



MEGAFLEX DPA CSB

With centralized bypass (CSB)

The MegaFlex DPA double conversion online modular UPS with centralized bypass benefits from all the advantage of ABB's innovative DPA. The key features of this UPS are

- Centralized static bypass switch
- Each UPS module can operate autonomously
- Redundant critical components and paths serving the load; no single points of failure
- UPS modules can be online-swapped without impacting the load.
- Redundant power configuration (N+1) with common or separate batteries
- Smart load sharing between the active UPS modules
- Continuous and redundant control and monitoring on module and system level.

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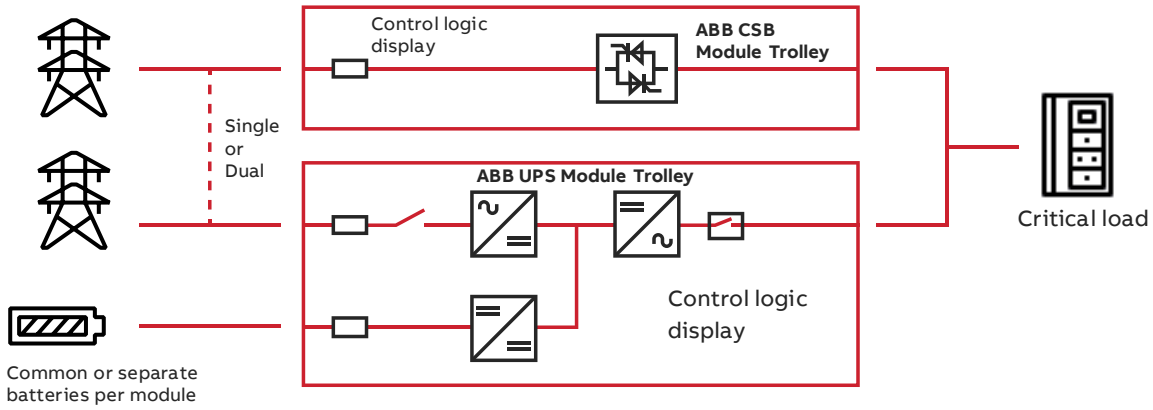
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ABB's new centralized static bypass (CSB) uses multiple thyristor blocks as a central static bypass, which is sized for the total combined UPS module capacity. The bypass switching devices use N+1 thyristors, which means the bypass itself has redundancy and the higher MTBF allows the UPS to function when one of the thyristors has failed, whereas conventional bypasses do not have this feature. Equal current sharing between the thyristor elements is achieved using a unique, patented magnetic coupling system (externally certified).

The CSB features a has a higher I2t energy let-through capability.

On the CSB variant, separate or common input feeds to the rectifier and static bypass can be implemented.

ABB UPS power module with central static bypass





THE MEGAFLEX DPA AS RELIABLE AND SUSTAINABLE UPS

ABB has secured the PEP ecopassport label for its MegaFlex DPA. The UPS has also qualified for ABB's EcoSolutions™ label – the product label of ABB's commitment to circularity. This accreditation enables data center operators to specify UPS equipment with full confidence in its environmental credentials.

With major data center operators signing the European Climate Neutral Data Centre Pact, which commits to achieving net zero carbon emissions by 2030, the sustainability credentials of the electrical equipment they purchase are becoming increasingly important. As a major supplier of power protection equipment to the data center industry, ABB has responded to this drive to achieve ambitious sustainability targets by securing a prestigious PEP ecopassport label for its MegaFlex DPA. In parallel, MegaFlex DPA has also qualified for ABB's EcoSolutions label – the product label of ABB's commitment to circularity. This type of accreditation enables eco-efficient electrical equipment to be specified with confidence by any customer whose mission is to go green.

The PEP ecopassport and the MegaFlex DPA UPS The PEP association consists of manufacturers, users, institutional and professional associations. It is responsible for implementing the PEP ecopassport® program, which verifies stringent performance criteria throughout a product's life cycle: manufacturing, distribution, installation, use and end-of-life. Providing an international reference framework, the program ensures reliable, transparent, comparable and verified environmental performance indicators for electrical, electronic, heating and cooling equipment.



The ABB EcoSolution label - Circular Value

MegaFlex DPA and the ABB EcoSolutions label
ABB takes a company-wide approach to circularity. By 2030, at least 80 percent of the entirety of our products and solutions will be covered by our circularity approach and evaluated against a clear set of key performance indicators (KPIs), corresponding to each stage of the product lifecycle.

ABB EcoSolutions is the product label of our circularity approach. The label signifies circularity value and Eco transparency of the products through an independently verified Environmental Product Declaration.

The MegaFlex DPA as reliable and eco-friendly UPS
ABB is proud to achieve these labels that provide third-party validation of the MegaFlex DPA's eco credentials as well as confirmation that the UPS also complies with the circularity standards we have set ourselves. Meeting the increasing power demands of modern data storage solutions requires a continuous flow of clean, sustainable power and system-wide resiliency. The MegaFlex DPA UPS solution combines the highest efficiency ratings available with the smallest footprint, contributing to a lower carbon global data center industry.

In 2020 the solution was awarded the Solar Impulse Foundation's "Efficient Solution" label, an important recognition of ABB's work to reduce power losses. The label promotes solutions, assessed by independent experts, that combine technical innovation, profitability and environmental protection.

End of life treatment instructions & procedures

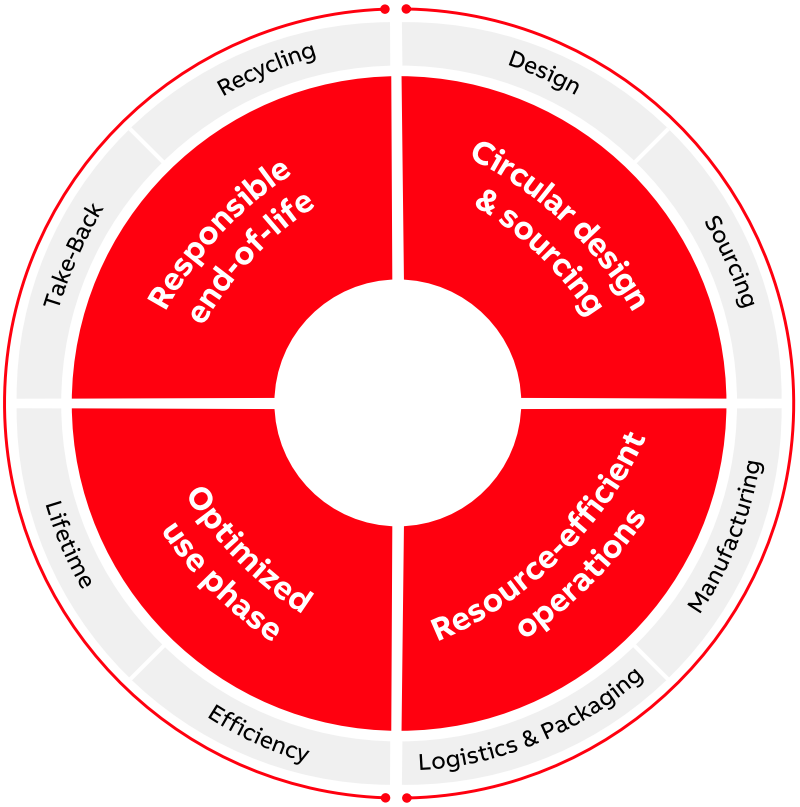
Offered with extended lifetime **Product modularity and lifetime extension services are provided**

Improved efficiency to reduce TCOup to **97.6% (VFI) efficiency at system level**

Design for closing resource loops **Recyclability rate up to 75%**

Group waste to landfill target **achieved by Zero waste to landfill**

Sustainable material content in packaging **80% recycled cardboard**



CONTROL AND MONITORING

ABB Ability™ SmartTracker oversees site performance, analyzes collected data, predicts equipment condition trajectories and recommends corrective actions to avoid problems. As well as implementing an effective maintenance strategy, ABB Ability™ SmartTracker also ensures equipment runs as efficiently as possible, saving energy and reducing greenhouse emissions.

An expert by your side
With SmartTracker, ABB can monitor your UPS equipment 24/7. You can relax as ABB promptly picks up any alarms or situations that might need attention. Nothing will be missed. It is like having an expert by your side, day and night. Platform notifies users with emails and text messages

(SMS) if a critical condition affects the UPS operation. Comprehensive operating reports are sent every quarter to highlight systems performances. SmartTracker is a powerful Cloud-based monitoring platform that uses the ABB Ability™ Cloud solution, which already benefits many other ABB clients, such as the world's biggest banks, retailers and sport event organizers. ABB Ability™ SmartTracker's platform has been designed from the ground up with cyber security in mind. ABB's world-class cyber security protocols are applied.

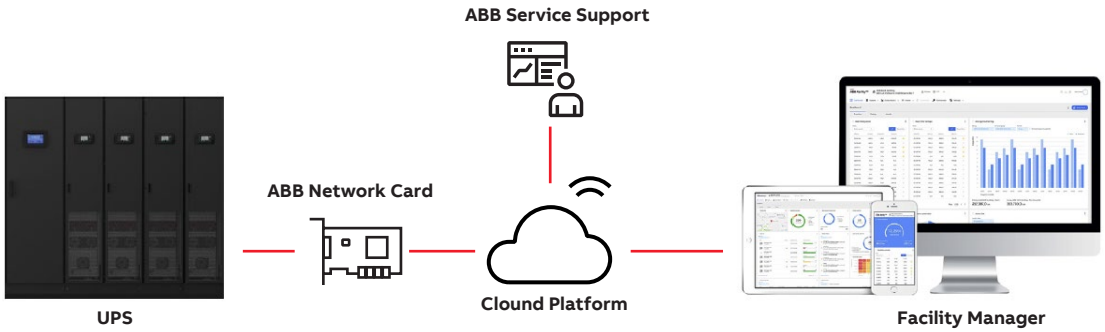
Features and highlights
The solution is scalable and new assets can be added or reconfigured with a minimum of fuss. With ABB Ability™ SmartTracker the user can monitor voltages, currents, frequencies and other important device life signs. Monitored parameters include:

- Battery temperature
- Earth leakage current
- Fan speed variation
- Capacitor and fan health index
- Condensing humidity
- Output voltage behavior
- Output power changes
- Grid errors
- Voltage neutral to ground
- Load warning

Parameters are monitored and used by the predictive algorithms to provide a comprehensive overview of the health of the UPS and a prognosis of future performance and maintenance needs.

The ABB ANC Network Card
The only additional hardware needed to implement ABB Ability™ SmartTracker is ABB's proprietary, plug-and-play ABB ANC Network Card. The ABB ANC Network Card connects the user's power protection infrastructure to the ABB Cloud infrastructure, where ABB Ability™ SmartTracker resides and does its work. The ABB ANC Network Card's hardware and software meet the most stringent ABB cyber security requirements and are designed to guarantee the highest robustness against cyber-attacks.

With an intuitive web app interface via smartphone, tablet or PC, ABB Ability™ SmartTracker makes it simple to oversee site performance and supervise the electric system



TESTED AND TRUSTED

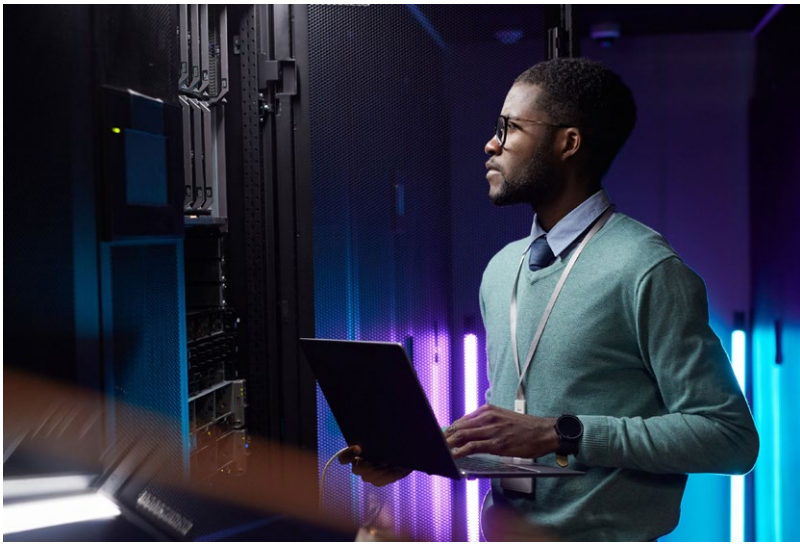
Comprehensive testing is crucial, which is why companies routinely test individual products before they leave the factory.

But as our customers know, there are often unexpected operating conditions once devices are integrated into a real-life system. To address this, ABB has developed a power protection testing facility located at its Swiss factory.

This groundbreaking center has been carefully designed to test even the largest UPS configurations as a single entity.

All ABB's customers have access to the facility for:

- Modular infrastructure for flexible testing of up to 4 MW
- UPS testing with associated equipment – like switchgear, static transfer switches, and transformers – for smooth system integration into onsite infrastructure
- Overseeing the entire test process from the comfort of an adjoining conference room
- Remote video conferencing where in-person visits are not possible



SERVICES

With a global presence in over 100 countries, ABB's service engineers are committed to supporting you wherever you are in the world.

Our UPS service portfolio is designed to maximize your return on investment, keeping equipment operating at its highest efficiency and availability throughout its lifetime.

We work closely with our team of R&D experts to develop the most advanced service technologies that ensure proactive product life-cycle management.

Our services include:

- Installation and commissioning
- Repairs
- Spares and consumables
- Extensions, upgrades and retrofits
- Replacement
- Training
- Service agreements
- Advanced services including predictive maintenance
- Factory evaluations



TECHNICAL SPECIFICATIONS

MegaFlex DPA with Distributed Bypass

MegaFlex DPA DSB			
GENERAL DATA			
System power rating [kW]	1000 kW	1250 kW	1500 kW
Model power rating [kW]	250	250	250
Static byass architecture			Distributed architecture
Parallel system capability			Up to 4500 kW UPS system (i.e. 3 x 1500 kW frames)
Topology			Online double conversion VFI-SS-111
Cable entry			Bottom; Top; Mixed (Top + Bottom); Top busbar ready
Serviceability			Frontal access for power frame and connection frame, removable power module with 360° access
Back-feed protection			Built-in as standard
INPUT			
Nominal input voltage			380 / 400 / 415 VAC @ 50 Hz or 415V/480 VAC @ 60 Hz
Voltage tolerance (referred to 3x 400			+15% all Loads / - 30% at partial loads
Current distortion THDi			<3%
Frequency range			40 – 70 Hz
Power factor			0.99
OUTPUT			
Rated output voltage			380 / 400 / 415 VAC @ 50 Hz or 415 / 480 VAC @ 60 Hz
Voltage tolerance (referred to 400 V)			± 1%
Voltage distortion THDU			<2.0%
Frequency			50 or 60 Hz (selectable)
Rated power factor			1.0
EFFICIENCY			
Max system efficiency (VFI) @			up to 97.6%
Overall system efficiency (VFI)			Over 97% with varying of load
In eco-mode (VFD)			Up to 99%
ENVIRONMENT			
Protection rating			IP 20
Storage temperature			-25 °C to +70 °C
Operating temperature			0 °C to +40 °C
Altitude (above sea level)			1000 m w/o derating
COMMUNICATIONS			
User interface			System graphical touch screen
Communication ports			USB, RS-485 Modbus / CANbus; RS-232, potential-free contacts, Input Analog/digital ports; ABB ANC network card (Modbus TCP/IP, Modbus RS485, SNMP V2 and V3, SMTP)
Customer interface			Remote shutdown, gen-set interface, external bypass contact
ADDITIONAL FUNCTIONALITIES			
Energy management / grid services			XtraVFI; PowerExchanger
Compatibility			ABB Ability™ SmartTracker
BATTERIES			
Types			VRLA, Li-Ion, Nickel Zinc ready
Charger			Decentralized battery charger per power module
STANDARDS			
Safety			IEC / EN 62040-1, UL1778, UL9540A in process
EMC			IEC / EN 62040-2
Performance			IEC / EN 62040-3
Environmental			(IEC 62040-4) & EcoPassport (LCA report & PEP certificate); ABB EcoSolutions label;
Manufacturing			SEAI- Triple E Product Registered & ACA Approval
Seismic certification			ISO 9001:2015, ISO 14001:2015, OHSAS18001

WEIGHT, DIMENSIONS			
Power rating [kW]	1000 kW	1250 kW	1500 kW
Weight [kg/lb] with all power modules	1940 kg / 4,332 lbs	2595 kg / 5,584 lbs	3250 kg / 6,662 lbs
Dimensions w × h × d (mm)(in)	2235 x 2000 x 1000 (mm) 88 x 78.74 x 39.37 (in)	3045 x 2000 x 1000 (mm) 120 x 78.74 x 39.37 (in)	3045 x 2000 x 1000 (mm) 120 x 78.74 x 39.37 (in)

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MegaFlex DPA with Centralized Bypass

MegaFlex DPA CSB			
GENERAL DATA			
System power rating [kW]	1500 kW	1750 kW	2000 kW
Model power rating [kW]	250	250	250
Static byass architecture			Centralized fault tolerance pluggable static Bypass
Parallel system capability			Up to 4500 kW UPS system (3 x 1500 kW frames) or up to 4000 kW UPS system (2 x 2000 kW frames)
Topology			Online double conversion VFI-SS-111
Cable entry			Bottom; Top; Mixed (Top + Bottom); Top busbar ready
Serviceability			Frontal access for power frame and connection frame, removable power module with 360° access
Back-feed protection			Built-in as standard on Central Static Bypass Module
INPUT			
Nominal input voltage			380 / 400 / 415 VAC @ 50 Hz & 415V/480 VAC @ 60 Hz
Voltage tolerance (referred to 3x 400)			+15% all Loads / - 30% at partial loads
Current distortion THDi			<3%
Frequency range			40 – 70 Hz
Power factor			0.99
OUTPUT			
Rated output voltage			380 / 400 / 415 VAC @ 50 Hz & 415V/480 VAC @ 60 Hz
Voltage tolerance (referred to 400 V)			± 1%
Voltage distortion THDU			<2.0%
Frequency			50 or 60 Hz (selectable)
Rated power factor			1.0
EFFICIENCY			
Max system efficiency (VFI)			Up to 97.6 %
Overall system efficiency (VFI)			Over 97% with varying of load
In eco-mode (VFD)			Up to 99%
ENVIRONMENT			
Protection rating			IP 20
Storage temperature			-25 °C to +70 °C
Operating temperature			0 °C to +40 °C
Altitude (above sea level)			1000 m w/o derating
COMMUNICATIONS			
User interface			System graphical touch screen
Communication ports			USB, RS-485 Modbus / CANbus; RS-232, potential-free contacts, Input Analog/digital ports; ABB ANC network card (Modbus TCP/IP, Modbus RS485, SNMP V2 and V3, SMTP)
Customer interface			Remote shutdown, gen-set interface, external bypass contact
ADDITIONAL FUNCTIONALITIES			
Energy management / grid services			XtraVFI; PowerExchanger
Compatibility			ABB Ability™ SmartTracker
BATTERIES			
Types			VRLA, Li-Ion, Nickel Zinc ready
Charger			Decentralized battery charger per power module
STANDARDS			
Safety			IEC / EN 62040-1, UL1778, UL9540A in process
EMC			IEC / EN 62040-2
Performance			IEC / EN 62040-3
Environmental			(IEC 62040-4) & EcoPassport (LCA report & PEP certificate); EcoSolutions label
Manufacturing			ISO 9001:2015, ISO 14001:2015, OHSAS18001
Seismic certification			ASCE 7-2016 & 2018 IBC Site Class D (ICC-ES AC156); EN 60068-3-3; IEEE 693-2018

WEIGHT, DIMENSIONS			
Power rating [kW]	1500 kW	1750 kW	2000 kW
Weight [kg/lb] with all power modules	3576 kg / 7,253 lbs	3950 kg / 9,453 lbs	4600 kg / 10,212 lbs
Dimensions w × h × d (mm)(in)	3645 x 2000 x 1000 (mm) 143.5 x 78.74 x39.37 (in)	4830 x 2000 x 1000 (mm) 190 x 78.74 x39.37 (in)	4830 x 2000 x 1000 (mm) 190 x 78.74 x39.37 (in)

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ABB Power Protection

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