

MEGA

MEGA 


Modular
UPS System
125-500kVA/kW
Enhanced User
Experience



Our Power Your Confidence

MEGA V2

The new state of the art MegaV2 backup system

The new state of the art MegaV2 backup system offers an enhanced user experience dedicated to improved serviceability & connectivity.

This innovative state of the art scalable, redundant UPS system focuses on elevating the users' experience to new heights.

With the highest efficiency rate of 96% and a significantly smaller footprint, the product offers a leading solution in the range of up to 500 kW/kVA.

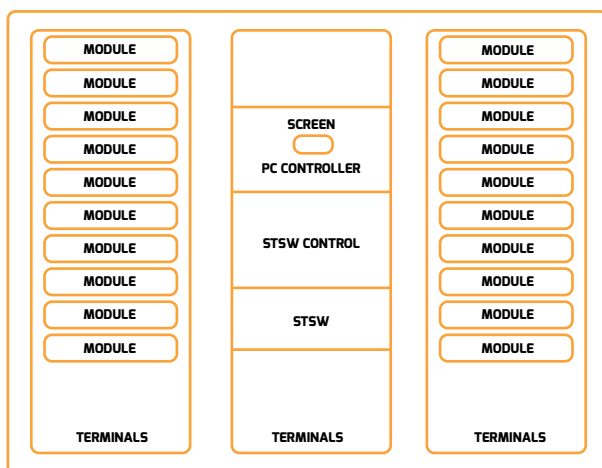
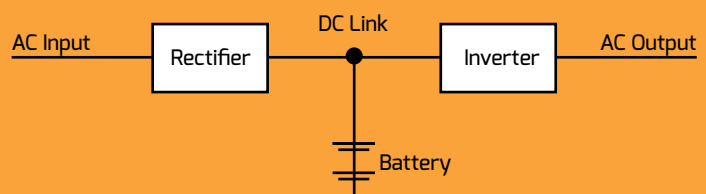
MegaV2 delivers the requested power requirements to perfectly fit different data center configuration architectures, while offering modularity essential to modern cost effective data center management.



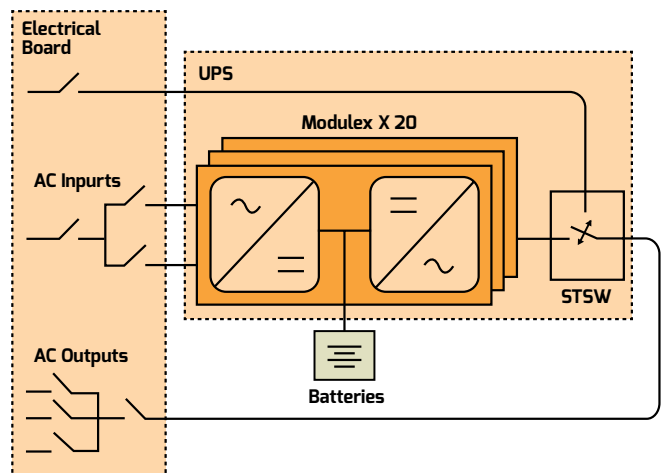
MegaV2 Double Conversion True On-Line Battery (VFI)

According to IEC 62040-3

Complying with international standards such as the IEC-62040-3, and the highest classification VFI-SS-111, the Mega Power+ features a galvanic battery connected between the rectifier output and the inverter input on a common DC link.



Functional Front View (500 kVA)



Block diagram scheme

MEGA V₂ Modular UPS Systems

Topology	True on-line, double conversion, VFI									
Construction	Modular, parallel hot-swapped modules									
INPUT										
Voltage	3 X 400 Vac + N									
Voltage range	-20 % and +15 %									
Current	3x42 A per module - no inrush current at startup									
Frequency	47÷63 Hz									
Power walk-in	>60 sec									
Power factor	0.99									
THDI	<5 %									
OUTPUT										
Rated power	25 kVA / 25 kW to 500 kVA / 500kW									
Frequency (in free-running mode)	50/60 Hz ±0.1 %									
Frequency tracking range	±0.5 Hz, ±1 Hz, ±2 Hz, ±3 Hz (selectable)									
Slew rate	1 Hz / sec									
Voltage	3x400 Vac + N									
Static regulation	±1 %									
Regulation for unbalanced load	±1 % for 100 % unbalanced load									
Dynamic response to 100% load step	±2 %									
Overload	110 %: 10 minutes, 125 %: 60 seconds, 1000 %: 1 cycle									
Waveform	Sinusoidal									
THD	<2 % for linear load									
Load CF (max)	6:1									
Ac-Ac efficiency (nominal)	Up to 96 % at full load									
Dc-Ac efficiency (nominal)	Up to 98 % at full load									
BATTERIES										
DC-link voltage	±320 Vdc to ±405 Vdc									
Quantity per set	60 x 12 V									
Type	Sealed, lead acid, rechargeable									
DISPLAY										
	TFT LCD 7" color monitor with touch screen									
GENERAL										
Maximum power dissipation (Po=25kW)	N*1041 W (N*3552 BTU)									
Ambient temperature	-10°C to +40°C (operating); -20°C to +60°C (storage)									
Relative humidity	95 % max (non-condensing)									
Altitude	1500 m without derating									
Enclosure	IP20									
Cooling system	Forced air (multi-fan with speed control)									
STANDARDS										
Safety	IEC 62040-1									
EMC	IEC 62040-2									
Design	IEC 62040-3									
Low freq. magnetic field radiation	EMF as per ICNIRP									
SYSTEM WEIGHT AND DIMENSIONS										
Mega V ₂ 125										
System dimensions (mm)	1270 (H) x 670 (W) x 655 (D)									
UPS capacity (kW)	25	50	75	100	125	150	175	200	225	250
UPS weight (kg)	147	180	213	246	279					
Mega V ₂ 250										
System dimensions (mm)	1970 (H) x 670 (W) x 655 (D)									
UPS capacity (kW)	25	50	75	100	125	150	175	200	225	250
UPS weight (kg)	190	223	256	289	322	355	388	421	454	487
Mega V ₂ 500										
System dimensions (mm)	1970 (H) x 2200 (W) x 655 (D)									
UPS capacity (kW)	100	125	150	175	200	225	250			
UPS weight (kg)	630	665	700	735	770	805	840			
UPS capacity (kW)	350	375	400	425	450	475	500			
UPS weight (kg)	980	1015	1050	1085	1120	1155	1190			
MODULE WEIGHT AND DIMENSIONS										
Weight	33 kg									
Capacity	25 kVA / 25 kW									
Height	135 mm									
Width (not including connectors)	455 mm									
Width (including connectors)	535 mm									
Depth	655 mm									

*All specifications are subject to change without prior notice



MEGA V2 has been recorded in the Register of Community Designs and registered with the OHIM - Office for Harmonization in the Internal Market.



MEGA V2 has been granted a United States Design Patent. Design Patent No. US D606,018 S.



MEGA V2 has been granted a Design Patent of the State Intellectual Property Office of the People's Republic of China; Design Patent No. ZL 200930006412.6



New System Characteristics

Enhanced Power Modules

Provide improved tier 2 serviceability with quick & convenient local maintenance. The new V2 module provides same MTTR to users while allowing for the local partners a substantial savings by independently and domestically handling service calls.

Substantial Decrease in Module Weight

The new mechanical design of the V2 module is 2.5 kg lighter.

Differentiating DC power

With a decrease from 64 to 60 sets of batteries as default factory standard complementing the system.

State of the Art Controller Offering:

- Log download to users' PC as either an excel or html format allows for an improved online serviceability.
- Additional language Selection, easily downloadable, suited for the varied needs of our global customers.
- Real time e mail notification directly from the controller, and sent to a number of up to 10 recipients.
- Professional Server Shutdown: facilitating a monitored shutdown according to predefined settings and battery status.
- Frequency Converter Feature the UPS system can be utilized to convert the frequency of the mains power supply from 50 Hz to 60 Hz and Vice Versa.



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