

#### ИБП Eaton Power Xpert 9395 Marine UPS 225 kVA - Eaton Power Xpert 9395 Marine - Брошюра, специ

Постоянная ссылка на страницу: https://eaton-power.ru/catalog/power-xpert-9395-marine/power-xpert-9305-marine/power-xpert-9395-marine/power-xpert-939

# Power Xpert 9395 Marine UPS





#### An Eaton Green Solution

Due to outstanding green performance, the Power Xpert 9395 has earned the "An Eaton Green Solution"™ label

#### Advanced power protection for:

- Navigation systems
- Emergency lightning
- Computer systems
- General Services





#### **Double conversion UPS**

#### Qualified design for marine and offshore environment

- Compact design for saving space
- Easy to install, mounting rails can be bolted or welded to the deck/bulk head
- IP22 protection class
- Vibration absorbers under and at the back of the cabinet
- Maintenance from the front

#### Premium power performance

- Double conversion provides the highest level of protection available by isolating the output power from all input anomalies.
- Active power factor correction (PFC) provides 0,99 input power factor and less than 3-5% ITHD, thus eliminating interference with other critical equipment in the same network and enhancing compatibility with generators.
- The UPS is optimized for protecting modern 0,9 p.f. rated IT equipment without the need to oversize.

#### **True reliability**

- Patented Powerware HotSync® technology makes possible to parallel up to five UPSs to increase availability or add capacity. The technology enables load sharing without any communication line, thus eliminating single point of failure.
- The multi-module 9395 can be configured with inherent redundancy anytime the load is below 50%, the system becomes automatically redundant.
- ABM® technology charges batteries only when necessary, preventing batteries corrosion and prolonging batteries service life by up to 50%.
- Internal automatic static bypass switch.

#### **Extensive configurability**

- Can be used as a frequency converter (50 → 60Hz and 60 → 50Hz) e.g. in shore power applications.
- The 9395 is a completely integrated system than incorporates multiple power modules and system switchgear on factory pre-wired bases.
- A multilingual graphical LCD display makes possible to monitor the UPS status easily.
- Wide software and connectivity options provide monitoring, management and shutdown capabilities over network.

#### Cost savings and sustainability

- Up to 99% efficiency with Energy Saver System (ESS) and Variable Module Management (VMMS) technologies enables to reduce energy cost, extend battery run times and ensure cooler operating conditions.
- The new design requires 50-80% less energy in manufacturing due to less energy required for testing and to the smaller configuration.
- Pre-wired configuration enables to reduce cabling busbar costs and installation time. Front accessible design minimizes installation costs and saves valuable data centre space.
- With Easy Capacity Test feature the 9395 can test its entire power train under full load stress without the requirement of an external load.
- A single technical platform used in Eaton's three-phase UPS products guarantee easy upgrades and similarity in service, thus lowering total cost of ownership.

## Power Xpert 9395 Marine UPS 225 - 1100 kVA

#### TECHNICAL SPECIFICATIONS

UPS o	utput pow	ver rating ((	),9 p.f.)									
kVA	225	275	450	550	675	825	900	1100				
kW	204	250	408	500	612	750	816	1000				
Genera	al											
Efficiency in double conversion mode (full load)		>94% (without transformer)										
Efficiency in double conversion mode (half load)			>93% (without transformer)									
VMMS (double conversion)			significantly increased efficiency at low loads									
Efficiency in Energy Saver System (ESS)			up to 99%									
Distributed parallelling with Hot Sync technology			5 + 1									
Field u	pgradeable		yes									
Inverter/rectifier topology			transformer-free IGBT with PWM									
Audible	e noise		<76 dB; <81 dB (825 and 1100 kVA)									
Colour			RAL	RAL 7035								
Input												
Nominal voltage rating (configurable)			220/380, 230/400, 240/415 V 50/60 Hz									
With e	xternal trar	nsformer	e.g.	230, 440	480, 690	V						
Input v	Input voltage range			+15% / -15%, +10% / -10% for bypass								
Input frequency range			45-65 Hz									
Input p	Input power factor			0,99								
Input ITHD			< 3-5% on nominal load, depending on the utility UTHD									
Soft sta	art capabili	ity	Yes									
Interna	l backfeed	protection	Yes	Yes								
Output	t											
Nominal voltage rating (configurable)			220,	220/380, 230/400, 240/415 V 50/60 Hz								
With e	xternal trar	nsformer	e.g.	e.g. 230, 440, 480, 690 V								
Output	UTHD			<3% (100% linear load); <5% (reference non linear load)								
Output	power fac	tor	0,9	0,9 (e.g. 250 kW at 275 kVA)								
Permitt	ed load po	wer factor	0,7	lagging -	0,8 leadin	g						

Overload on inverter		10 min 100-110%; 30 sec 110-125%; 10 sec 125-150%; 300 ms >150%						
Overload when bypass avail- able	Continuous <115%, 20 ms 1000% Note! Bypass fuses may limit the overload capability							
Battery								
Туре		VRLA, AGM, Gel, Wet Cell (NiCd batteries on request)						
Charging method	ABM							
Temperature compensation	Option							
Battery nominal voltage (lead-acid)	480 V (40 x 12 V, 240 cells)							
Charging current / Model	275	550	825	1100				
Default A	38	76	114	152				
Max* A	83	166	249	332				
*Limited by maximum UPS input of	current ratin	g						
Dimensions and weights *								
225 kVA, 275 kVA	1364 x 1	1364 x 1152 x 2158 mm (wxdxh)						
225 kVA redundant, 275 kVA redundant	1904 x 1	904 x 1152 x 2158 mm						
450, 500, 550 kVA	1904 x 1152 x 2158 mm				1600 kg			
450, 550 kVA redundant 2644 x 115			52 x 2158 mm					
675, 825 kVA	3724 x <sup>-</sup>	3724 x 1152 x 2158 mm						
675, 825 kVA + 1 redundant	4464 x 1	4464 x 1152 x 2158 mm						
1100 kVA	4464 x <sup>-</sup>	1152 x 215	58 mm		3570 kg			

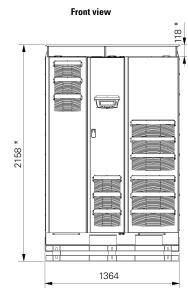
External battery cabinets with long-life batteries, NiCd batteries on request, X-Slot connectivity (Web/SNMP, ModBus/Jbus, Relay, Hot Sync, ViewUPS-X remote display), integrated manual bypass for 225-550 kVA

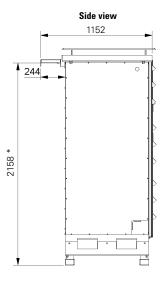
# Communications X-Slot 4 communication bays Serial ports 1 available Relay inputs/outputs 5/1 programmable

### Compliance with standards

Classification survey report On request

\* Depending on the actual load and room ventilation, the height of the unit roof may change.





#### www.eaton.eu/marine

In the interests of continuous product improvement all specifications are subject to change without notice.

Front view