# Eaton 9155M and 9355M UPS

1ph: 20 - 30 kVA 3ph: 20 - 40 kVA



### Advanced vessel or rig power protection for:

- Navigation systems
- Communication systems
- Ship automation
- Computer systems
- Integrated bridge



#### **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 4,5% 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 four UPSs to increase availability or add capacity. The technology enables load sharing without any communication line, thus eliminating single point of failure.
- ABM® technology charges batteries only when necessary, preventing batteries corrosion and prolonging batteries service life by up to 50%.
- Internal automatic static bypass switch
- · Internal mechanical bypass switch

### **Extensive configurability**

- Configurable to frequency converter operation (50 Ô 60Hz and 60 Ô 50Hz)
- 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
- Internal space for 1 2 optional input/output transformers

### Cost savings and sustainability

- Compact space efficient tower design offers smaller footprint enabling easy data centre space-planning and preserving valuable raised-floor real estate.
- Possibility for internal transformer eliminate the need for costly and space-consuming external cabinets.
- A single technical platform used in Eaton's UPS products guarantee easy upgrades and similarity in service, thus lowering total cost of ownership.
- A range of service agreement options can be easily customized for customers' needs and budget.
- Eaton uses sustainable materials and highly efficient manufacturing technology, thus generating dramatic savings in carbon footprint as compared to competitive UPS systems.

## Eaton 9155M/9355M UPS 20 - 40 kVA

Technical specifications							
p.f.)							
20	30	40					
18	27	36					
93% (v	vithout 1	ransfo	rmer)				
91% (v	vithout t	ransfo	rmer)				
4							
yes							
transformer-free IGBT with PWM							
<50 dB							
RAL 70	35						
380, 40	00, 415	V 50/60	) Hz				
e.g. 230, 440, 480, 690 V							
Low -20% at 100% load/-50% at 50% load without battery discharge; High +10%/max +20%							
45-65 Hz							
0,99							
less than 4,5%							
Yes							
Yes							
220/38	0, 230/4	100, 24	0/415 V 50/60 Hz				
	20 18 93% (v 91% (v 4 yes transfo <50 dB RAL 70 380, 40 e.g. 23 Low -2; battery 45-65 h 0,99 less the Yes	20 30 18 27 93% (without 191% (without 191% (without 191%)) 4  yes transformer-free <50 dB RAL 7035  380, 400, 415 Veren e.g. 230, 440, 415 Veren	20 30 40 18 27 36 93% (without transformer-free IGBT 4 yes transformer-free IGBT <50 dB RAL 7035 380, 400, 415 V 50/60 e.g. 230, 440, 480, 69 Low -20% at 100% lobattery discharge; High 45-65 Hz 0,99 less than 4,5% Yes				

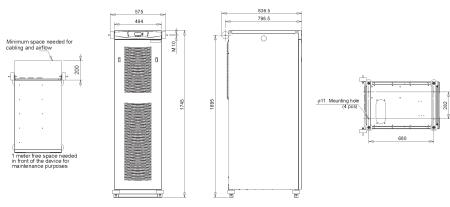
Output	
With transformer	e.g. 230, 440, 480, 690 V
Output UTHD	<3% (100% linear load); <5% (reference non linear load)
Output power factor	0,9 (e.g. 27 kW at 30 kVA)
Permitted load power factor	0,7 lagging - 0,8 leading
Battery	
Туре	Maintenance free VRLA batteries, NiCd
Charging method	ABM technology or Float
Temperature compensation	Optional
Battery nominal voltage (lead-acid)	432 V (36x12 V, 216 cells)
Charging current / Model	Default 3 A *Max 60 A
*May be limited by maximum UP	S input current rating

Isolation transformer, long-life batteries, external battery cabinets, X-Slot connectivity (Web/SNMP, ModBus/Jbus, Relay, Hot Sync, ViewUPS-X remote display), Hot Sync parallel tie cabinet, integrated manual bypass, external maintenance bypass switch

Communications				
X-Slot	2 communication bays			
Serial ports	1 available			
Relay inputs/outputs	2/1 programmable			
Compliance with standards				
Classification survey report	On request			

Standard UPS with 3-phase input						
Description	Rating	Dimensions (HxWxD)	Weight			
9155-20-NT-M	20 kVA / 18 kW	1745x575x762 (+200) mm	450 kg with input transformer			
9155-30-NT-M	30 kVA / 27 kW	1745x575x762 (+200) mm	450 kg with input transformer			
9355-20-NT-M	20 kVA / 18 kW	1745x575x762 (+200) mm	425 kg with I/O transformers			
9355-30-NT-M	30 kVA / 27 kW	1745x575x762 (+200) mm	455 kg with I/O transformers			
9355-40-NT-M	40 kVA / 36 kW	1745x575x762 (+200) mm	355 kg with Output transformer			

External battery cabinets							
Description	Rating	Runtime	Dimensions (HxWxD)	Weight			
9X55-BAT-M-1x24Ah (30 kVA)	1x36x24 Ah	See runtime spec	1745x575x762 (+200) mm	550 kg			
9X55-BAT-M-2x24Ah (30 kVA)	2x36x24 Ah	See runtime spec	1745x575x762 (+200) mm	970 kg			



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