



NAUTILUS

Three-phase on-line, double conversion UPS at 10kVA-500kVA

The new Nautilus series take advantage of 19" rack modular architecture to provide high quality and high reliability solutions.



Each power module operates in "decentralized parallel" mode together with the others, and the complete system manage independently the input load.



When a single power module fails, then it is automatically shutdown (decentralized parallel mode) in order to guarantee a continuous operation by means of the remaining power modules.



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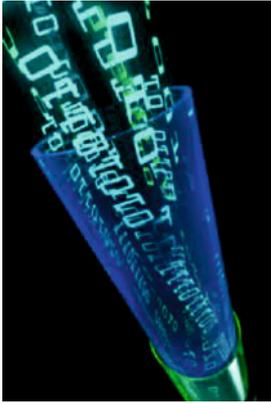
Three-phase on-line, double conversion UPS at 10kVA-500kVA

- Main advantages of using NAUTILUS series:
- High efficiency system, >95%, for lowering energy cost
 - Centralized static switch for higher reliability
 - Reduced time and cost for repairing and service

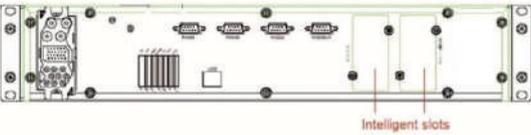
NAUTILUS series is suitable for application such as Data Center, Bank, Hospital, Airport, Industrial systems and Emergency lighting systems.

MAIN CHARACTERISTICS

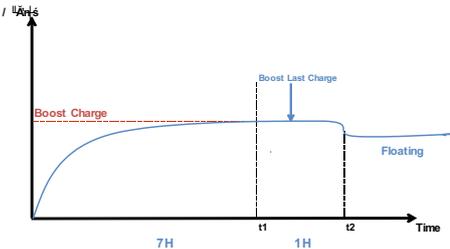
- Input Power Factor 0,99
- Input Harmonic Distortion <2%
- Centralized LCD display to check all parameters related to each module in real time.
- EPO function
- Display LCD touch screen
- COMMUNICATION:
 - 1x RS232 – 2x Rs485
 - 1x MODBUS PORT
 - 1x CLEAN CONTACTS
 - 2x COMMUNICATION SLOT
- The power module uses next generation DSP microprocessor to reduce the number of components and increase UPS reliability
- The UPS automatically shares the load and use the centralizet switch to increase the reliability
- Possibility of using a centralized battery connected to several UPS
- Smart Battery recharge system: periodic battery test, checking of real recharge value, for increasing battery's lifetime



Display LCD touch screen



Communication ports



Battery recharging graph



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Three-phase on-line, double conversion UPS at 10kVA-500kVA

Model	Nautilus 10	Nautilus 15	Nautilus 20	Nautilus 30
Input	10kVA/9kw	15kVA/13,5kw	20kVA/16kw	30kVA/27kw
Phase	Three-phase + N			
Nominal Voltage	380/400/415			
Voltage range	208-478			
Frequency range	40-70Hz			
Power Factor	>= 0,99			
Harmonic distortion	<2%			
Output				
Phase	Three-phase + N			
Nominal voltage	380/400/415			
Power Factor	0,9			
Voltage tolerance	(+/- 2%)			
Frequency tolerance (normal op.)	(+/-1/2/4/5/10%)			
Frequency tolerance (battery op.)	50-60+0,2Hz			
Crest factor	3 :1			
THD	<2%			
Waveform	Sinusoidal			
Battery				
Battery charger	da 5,7 - 25A	da 5,7 - 25A	da 5,7 - 25A	da 5,7 - 25A
Dimensions	600x789x1200	600x789x1200	600x789x1200	600x789x1200
Weight	123	126	127	156

Model	Nautilus 40	Nautilus 50	Nautilus 60	Nautilus 80
Input	40kva/36kw	50kva/45kw	60kva/54kw	80kva/72kw
Phase	Three-phase + N			
Nominal Voltage	380/400/415			
Voltage range	208-478			
Frequency range	40-70Hz			
Power Factor	>= 0,99			
Harmonic distortion	<2%			
Output				
Phase	Three-phase + N			
Nominal voltage	380/400/415			
Power Factor	0,9			
Voltage tolerance	(+/- 2%)			
Frequency tolerance (normal op.)	(+/-1/2/4/5/10%)			
Frequency tolerance (battery op.)	50-60+0,2Hz			
Crest factor	3 :1			
THD	<2%			
Waveform	Sinusoidal			
Battery				
Battery charger	da 5,7 - 25A	da 5,7 - 25A	da 5,7 - 25A	da 5,7 - 25A
Dimensions	600x789x1200	600x789x1200	600x789x1200	600x789x1200
Weight	158	186	189	195



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Model	Nautilus 100	Nautilus 120	Nautilus 160	Nautilus 200
Input	100kva/90kw	120kva/108kw	160kva/144kw	200kva/180kw
Phase	Three-phase + N			
Nominal Voltage	380/400/415			
Voltage range	208-478			
Frequency range	40-70Hz			
Power Factor	>= 0,99			
Harmonic distortion	<2%			
Output				
Phase	Three-phase + N			
Nominal voltage	380/400/415			
Power Factor	0,9			
Voltage tolerance	(+/- 2%)			
Frequency tolerance (normal op.)	(+/-1/2/4/5/10%)			
Frequency tolerance (battery op.)	50-60+0,2Hz			
Crest factor	3 :1			
THD	<2%			
Waveform	Sinusoidal			
Battery				
Battery charger	25A	30A	38A	50A
Dimensions	600x780x1600	600x780x1600	600x780x1600	600x850x1600
Weight	286	316	350	380

Model	Nautilus 300	Nautilus 400	Nautilus 500
Input	300kva/270kw	400kva/360kw	500kva/450kw
Phase	Three-phase + N		
Nominal Voltage	380/400/415		
Voltage range	208-478		
Frequency range	40-70Hz		
Power Factor	>= 0,99		
Harmonic distortion	<2%		
Output			
Phase	Three-phase + N		
Nominal voltage	380/400/415		
Power Factor	0,9		
Voltage tolerance	(+/- 2%)		
Frequency tolerance (normal op.)	(+/-1/2/4/5/10%)		
Frequency tolerance (battery op.)	50-60+0,2Hz		
Crest factor	3 :1		
THD	<2%		
Waveform	Sinusoidal		
Battery			
Battery charger	80A	100A	130A
Dimensions	600x850x1600	600x850x2000	1200x850x2000
Weight	600	815	860