Taurus Pro Series

On-line Double Conversion 3 Phase UPS
15KVA - 200KVA

- Online Double Conversion technology with DSP control
- Output power factor 0.9
- Advanced control with Adaptive Feed Forward Cancellation (AFC) technology for very low harmonic distortion
- Very low input current distortion (THDi < 1%)
- Input power factor 0.99 at 10% load
- High output efficiency
- Space-saving compact design
- Remaining backup time calculation
- Front access ease maintenance and replacement
- Parallel redundant operation up to 4 units
- Full connectivity - USB, RS232, Modbus, Dry contact and intelligent slot
- Flexible battery quantity configuration

Control Panel View

NEUROPOWER™

A Preferred Power Solutions Strategic Business Partner

Taurus Pro Series

Technical Specification

Nominal Power (KVA)	15	20	30	40	60	80	100	120	160	200
Nominal Power (KW)	13.5	18	27	36	54	72	90	108	144	180
INPUT										
Nominal Voltage	Three phase 3 x 380 / 400 / 415 VAC (4 wires: 3 phases + N + E)									
Input Voltage Margin	+ 15% / –20%.									
Frequency	50 / 60 Hz ±5 %.									
Input Current Total Harmonic Distortion THDi	100% load < 1.5% 50% load < 2.5% 10% load < 6.0%		100% load < 1.0% 50% load < 2.0% 10% load < 6.0%				100% load < 1.5% 50% load < 2.0% 10% load < 6.0%			
Power Factor	1.0 (at any load condition)									
INVERTER										
Nominal Voltage	Three phase 3 x 380 V, 3 x 400 V or 3 x 415 V (4 Wires, 3 phases + N + E)									
Regulation	Steady State: ±1%. Dynamic State: ±2% (Load Variations 100 - 0 - 100%)									
Frequency	50 / 60 Hz synchronised ±4%. With mains absent ±0.05%									
Siew Rate	±1 Hz/s									
Wave Form	Pure sinewave									
Output Voltage Total Harmonic Distortion	Linear load: THDv < 0.5%, non-linear load: THDv < 1.5%									
Phase Displacement	120º ± 1% (Balanced load), 120º ± 2% (un-balances load)									
Dynamic Recovery Time	10 ms at 98%									
Permissible Overload - Transfer / Shutdown	100 - 125% : 10 mins, 125 - 135% : 5 mins,135 - 150% : 1 min, > 150% : immediate									
Permissible Crest Factor	3.4 to 1		3.2 to 1			2.8 to 1	3.2 to 1		3.0 to 1	
BATTERY										
Battery Quantity	31 + 31, 3 poles postive, midpoint, negative									
Battery Type	12V, Sealed Lead Acid									
Battery Charging	4 - 5 Hours to 90% capacity and user configurable current depending on battery capacity									
Battery Float Voltage	+423 / -423 @ 20˚C									
Battery Test	Built-in automatic									
STATIC BYPASS										
Type / Rating	Solid state / three phase 3 x 380 / 400 / 415 VAC (4 wires, 3 phases + N + E), 50 / 60 Hz									
Transfer Time	0 ms									
Permissible Overload	400% for 10 Sec									
Bypass Voltage and Frequency Margin	User configurable, default for voltage : +12% - 15% and frequency : 5.0 Hz									
MANUAL BYPASS (MAINTENANCE)										
Type	Switch Disconnect without Interruption									
Rating	Three phase 3 x 380 / 400 V / 415 VAC (4 wires, 3 phases + N + E), 50 / 60 Hz									
EFFICIENCY										
Normal Mode at 100% Linear Load	90.5 %	91.0 %	92.0 %	92.5 %	93.0 %	94.0 %	93.0 %	93.3 %	92.8 %	92.6%
Econ Mode at 100% Linear Load	94.5 %	95.0 %	96.4 %	96.8 %	97.3 %	98.4 %	96.5 %	97.6 %	97.0 %	97.0 %
OPERATING ENVIRONMENT										
Temperature and Humidity	0ºC to 40ºC, and 0 - 95% without condensation									
Noise Level, dB	< 59				< 69		< 78	< 90		
PHYSICAL INFORMATION										
Chassis Protection Degree	IP 20									
W x D x H (mm), equipped with castor	450 x 770 x 1100		590 x 805 x 1320						900 x 850 x 1500	
Weight, without batteries (kg)	120.0		190.0		200.0	215.0	255.0		550.0	
STANDARDS										
Safety	EN-62040-1-2 ; EN-60950-1									
Electromagnetic Compatibility (EMC)	EN-61000-2 ; EN-61000-4									
Operating	VFI-SS-111 in accordance with EN 62040-3									
Design	CE/TUV									

• 2 years warranty for electronic parts and batteries against manufacturing defects.
• In the interests of continuous product improvement, all specifications are subject to change without notice.

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