

Professional Series



Green
Power



Environmental
Friendly



Energy
Saving



Thor H+ Series

Industrial Type True Double Conversion
Online UPS

- True Online Double Conversion with DSP Control
- DSP Technology Guarantees High Reliability
- True Galvanic Isolation Transformer Design
- Design to Withstand all kinds of Loads
- Redundant Fan Design and Independent Ventilation to Enhance Operation under Harsh Environment
- Output Power Factor 0.8
- Intelligent Battery Management to Prolong Battery Lifecycle
- Accepts Dual-Mains Input
- Parallel Capability up to 4 units (Option)
- Comes with Modbus RS-232/RS 485, Dry Contacts, SNMP Slots & Power Management Software



• Software •



• 2 Years •
Warranty



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Technical Specification:

MODEL	THOR H* 10KS	THOR H* 15KS	THOR H* 20KS	THOR H* 30KS	THOR H* 40KS	THOR H* 60KS	THOR H* 80KS	THOR H* 100KS	THOR H* 120KS	THOR H* 160KS	THOR H* 200	
CAPACITY (KVA)	10KVA/8KW	15KVA/12KW	20KVA/16KW	30KVA/24KW	40KVA/32KW	60KVA/48KW	80KVA/64KW	100KVA / 80KW	120KVA / 96KW	160KVA / 128KW	200KVA / 160KW	
INPUT												
NOMINAL VOLTAGE	3 x 380VAC/400VAC (3Ph + N)											
ACCEPTABLE VOLTAGE RANGE	285VAC ~ 475VAC											
FREQUENCY RANGE	50/60 Hz ± 10 %											
PHASE	3-Phase in / 3-phase out											
OUTPUT												
NOMINAL VOLTAGE	3 x 380VAC/400VAC (3Ph + N)											
OUTPUT POWER FACTOR	0.8											
FREQUENCY	50/60 Hz synchronised ± 1 % ; With mains absent ± 0.1 Hz											
PRECISION	Stationary: ± 1% ; Transitory: ± 5% (load variations 100-0-100%)											
MAX. SYNCHRONISATION SPEED	± 1 Hz/s											
WAVEFORM	Pure Sinewave											
TOTAL HARMONIC DISTORTION (THDV)	< 2% (Linear Load) ; < 5% (Non-linear Load)											
PHASE DISPLACEMENT	120° ± 1% (balanced load) ; 120° ± 2% (imbalances 50% of the load)											
DYNAMIC RECOVERY TIME	3 cycles at 90 % of the static value											
ADMISSIBLE OVERLOAD	110% for 10min; 150% for 60sec; > 160% for 200ms											
ADMISSIBLE CREST FACTOR	3 : 1											
ADMISSIBLE POWER FACTOR	0.6~1 (inductive or capacitive)											
IMBALANCE OUTPUT VOLTAGE	< 1% at 100% Unbalance Load											
CURRENT LIMIT	High overload, short-circuit: RMS Voltage Limit ; High Crest-Factor current: Peak Voltage Limit											
OUTPUT CONNECTION	Hardwire 5-wire (3P+N+G)											
STATIC BYPASS												
TYPE	Solid State											
VOLTAGE	3 x 380VAC/400VAC (3Ph + N)											
FREQUENCY	50/60 Hz											
ACTIVATION CRITERION	Microprocessor control											
TRANSFER TIME	Zero											
ADMISSIBLE OVERLOAD	150% for 1 hour; 180% for 30sec; > 200% for 200ms											
TRANSFER TO BYPASS	Immediate, for overloads above 160%											
RETRANSFER	Automatic after alarm clear											
MAINTENANCE BYPASS												
TYPE	Without Interruption											
VOLTAGE	3 x 400V (3Ph + N)											
FREQUENCY	50/60 Hz											
OVERALL EFFICIENCY	LINE MODE	89%	90%	91%	91%	91%	91%	91%	95%	95%	95%	
	BATTERY MODE	90%	91%	92%	92%	92%	92%	92%	95%	95%	95%	
BATTERY & CHARGER												
BATTERY	TYPE	Sealed Lead Acid Maintenance Free Battery										
	NUMBERS	12VDC x 32 pcs (29~32 pcs adjustable)										
NOMINAL BATTERY VOLTAGE	384 VDC (Based on 32pcs batteries)											
CHARGING METHOD	CC / CV											
CHARGING CURRENT	Default 10A, Max. = Capacity / Battery Voltage					Default: 10A. Max. 40A						
CHARGING VOLTAGE	432 VDC (Based on 32pcs batteries)											
COMMUNICATION												
POWER MANAGEMENT SOFTWARE	Support Window Family, Linux and MAC											
	- Automatically Shut-down, Saves Application Data Before Exit			- Power Flow Display for Monitoring UPS Status				- Schedules System Shutdown/Restart				
	- Warning Notification Via E-Mail/Pager/Broadcast				- Remote Monitor/Control via LAN			- Safety Shutdown Multi System		- Records Logs for Analysis		
INTERFACE	RS485, Intelligent slot											
ENVIRONMENT												
OPERATING TEMPERATURE	0°C ~ 55°C											
HUMIDITY	5% ~ 95% non-condensing											
NOISE LEVEL	Less than 70dB											
PHYSICAL												
DIMENSION (D x W x H mm)	656 x 405 x 817			556 x 405 x 941		821 x 432 x 1159		975 x 554 x 1286		975 x 635 x 13		1051 x 705 x 1646
WEIGHT (KG)	118	120	145	193	278	365	471	573	650	760	840	

*Specification subjects to change without prior notice

