

HORUS SERIES PF 1.0 Power range: 150kVA~1200kVA

3:3



Features

- True Online Double Conversion with 3-level Inverter Topology
- N+ X Parallel Redundancy
- Dual Energy Control Modules Design
- 3-level Intelligent Charging Modes
- TFT Touch-screen display for user's friendly operation
- Output Power Factor 1.0
- Parallel up to 6 units.
- Up to 96% system efficiency
- Featured with Redundancy Auxiliary Power Supply and Fan
- Mains-friendly with low Input Harmonics
- Load Bus Synchronization
- Superior MTBF and MTTR
- Emergency Power Off
- Automatic Firmware Upgrade Via LCD Display
- Programmable Battery Voltage form 30 to 50 blocks
- Near-unity Powerfactor at partial and full loads
- Powerful charger built in UPS frame
- Versatile communication interfaces provided for different applications
- Backfeed Protection
- Advanced PFC



ON LINE



TOWER



DATA CENTRE



E-MEDICAL



INDUSTRY



TRANSPORT



EMERGENCY

Horus Series Three-level Online Tower UPS

HT33150 | HT33200 | HT33250 | HT33300 | HT33400
HT33500 | HT33600 | HT33800 | HT331000 | HT331200

Horus Series Technical Specifications

		Horus Series									
Model		HT33150	HT33200	HT33250	HT33300	HT33400	HT33500	HT33600	HT33800	HT331000	HT331200
Capacity(VA/Watts)		150VA/150W	200VA/200W	250VA/250W	300VA/300W	400VA/400W	500VA/500W	600VA/600W	800VA/800W	1000VA/1000W	1200VA/1200W
INPUT											
Nominal voltage		380/400/415Vac, (3Ph+N+PE)									
Operating voltage range		138~305Vac Linear derating; 305~485Vac for 100% Load;									
Operating frequency range		40Hz-70Hz									
Power factor		≥0.99									
Harmonic distortion (THDi)		≤3% (100%non-linear load)									
Bypass voltage range		220Vac Max.voltage: +25%(optional +10%,+15%,+20%) 230Vac Max.voltage: +20%(optional +10%,+15%) 240Vac Max.voltage: +15%(optional +10%) Min. voltage: -45% (optional -10%,-20%,-30%) Frequency synchronize tracing range: ±10%									
Generator input		Support									
OUTPUT											
Output voltage		380/400/415Vac (3Ph+N+PE)									
Voltage regulation		±1%									
Power factor		1									
Output frequency		1.Line Mode: ±1%/±2%/±4%/±5%/±10% of the rated frequency(optional) 2.Battery Mode:(50/60±0.1%)Hz									
Crest factor		3:1									
Harmonic distortion (THD)		≤1% with linear load ≤3% with non linear load									
Efficiency		96.0%									
BATTERY											
Battery Voltage		Optional Voltage: ±180V/±192V/±204V/±216V/±228V/±240V/±252V/±264V/±276V/±288V/±300Vdc (30/32/34/36/38/40/42/44/46/48/50pcs); 360Vdc~600Vdc(30~50pcs, 36 pcs default, 36~50 pcs output power factor 1.0; 32~34pcs output power factor 0.9,30 pcs output power factor 0.8)									
Charge Current(A) UPS cabinet		60A(Max.)	80A(Max.)	100A(Max.)	100A(Max.)	140A(Max.)	180A(Max.)	200A(Max.)	280A(Max.)	340A(Max.)	400A(Max.)
SYSTEM FEATURES											
Transfer Time		Utility to Battery : 0ms; Utility to bypass: 0ms									
Overload		Line Mode: 110% for 60 min., 125% for 10min., 150% for 1 min., then transfer to bypass Bypass Mode: 135% overload for long term; >1000% overload for 100ms									
Overheat		Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately									
Low battery voltage		Alarm and Switch off									
Self-diagnostics		Upon Power On and Software Control									
Backfeed protection		Support									
EPO(optional)		Shut down UPS immediately									
Battery		Advanced Battery Management									
Noise suppression		Complies with EN62040-3									
Audible & Visual alarms		Line Failure, Battery Low, Overload, System Fault									
Reading on the LCD display		Input, Output, Battery, Command, Setting, Maintenance									
Communication interface		CAN, RS485, NET, Parallel, Dry contact port, Relay card(optional), SNMP card(optional),Battery temperature sensor(optional)									
ENVIRONMENT											
Operating Temperature		0°C~40°C									
Storage Temperature		-25°C~55°C									
Humidity Range		0~95%(non condensing)									
Altitude		<1500m									
Noise Level		<62dB	<63dB	<65dB	<65dB	<70dB	<70dB	<70dB	<73dB	<73dB	<73dB
PHYSICAL											
Dimension W*H*D(mm)	UPS cabinet(S*) UPS cabinet(F*)	600*1200*850	600*1600*850	600*1600*850	600*2000*850	600*2000*850	1200*2000*850	1200*2000*850	2000*2000*850	2000*2000*850	2400*2000*850
STANDARDS											
Safety		IEC/EN 62040-1, IEC/EN 60950-1									
EMC		IEC/EN 62040-2, IEC61000-4-2,IEC61000-4-3, IEC61000-4-4,IEC61000-4-5, IEC61000-4-6, IEC61000-4-8									

Specifications subject to change without prior notice.

*PF=0.9 models also available

S:Only with maintenance switch

F:With mains input, bypass input, maintenance and output switch



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