

NTL

THREE PHASE 50KVA : 600KVA

The new NTL range uses the modular 19" rack drawer technology and was created to guarantee the best quality and reliability of service.



Each power module works in a "decentralized parallel" with the others, and the complete system autonomously divides the input load.



In the event of a failure of one of the modules, it is automatically excluded (decentralized parallel), thus ensuring a seamless power supply with the remaining modules.



Among the strengths of the NTL modular range we have a system efficiency > 95% (high efficiency), a reduction in repair times and service costs of less than 30' and the centralization of the static switching system that gives greater guarantees.

We recommend the use of the NTL series for Data Centers, Banks, Hospitals, Airports, Emergency Lights and any Industrial application.

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Display LCD touch screen

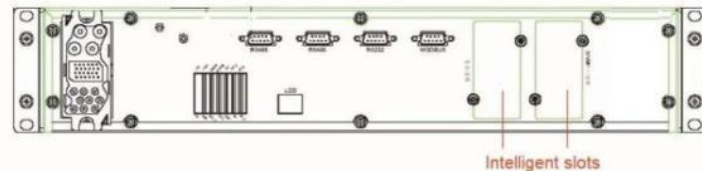
MAIN FEATURES

- Input power factor 0.99
- Harmonic input distortion <2%
- Centralized control display, which allows you to check at any time, (even by removing a single module) the actual power and data related to all modules.
- EPO function
- Display LCD touch screen

COMMUNICATION PORTS:

- 1x RS232 – 2x Rs485
- 1x MODBUS PORT
- 1x CLEAN CONTACTS
- 2x COMMUNICATION SLOT

- The modules use the latest generation of DSP microprocessors, in this way the components are reduced and reliability is increased.



Communication ports

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FRAME (Cabinet type)		150		250		400		600	
Capacity	System (KVA)	50~100	50~150	50~200	50~250	50~300	50~400	50~500	50~600
	Module (KVA)	50							
	Module (KW)	2	3	4	5	6	8	10	12
	Maximum Number of Modules	3		5		8		12	
Input	Phases	3 Phases + Neutral + GND							
	Rated Voltage	380/400/415Vac							
	Voltage Range	138~485Vac ◆At 40°C: UPS works at full load when voltage is within 323 and 485 Vac and is derated when voltage is within 323 and 138 Vac. ◆At 30°C: UPS works at full load when voltage is within 305 and 485 Vac and is derated when voltage is within 305 and 138 Vac.							
	Frequency Range	40Hz-70Hz							
	Power factor	≥0.99							
	Bypass Voltage Range	≤3% (100% non-linear load)							
	Genset input	Max voltage: 220V: +25 % (optional +10%, +15%, +20%) 230V: +20 % (optional +10%, +15%) 240V: +15 % (optional +10%) Min Voltage: -45 % (optional -10%, -20%, -30%) Frequency protection range: ±10%							
Output	Phases	3 Phase + Neutral + GND							
	Rated Voltage	380/400/415Vac (factory setting)							
	Power factor	1.0							
	Voltage Regulation	±1%							
	Frequency	±1%/±2%/±4%/±5%/±10% of rated frequency (optional)							
	Battery mode frequency	(50/60±0.1) Hz							
	Crest factor	3:1							
	THD	≤2% linear load ≤4% non-linear load							
Battery	Voltage	Optional Voltage: ±180/192/±204/±216/±228/±240/±252/±264/±276/±288/±300Vdc (30/32/34/36/38/40/42/44/46/48/50pcs optional) 360Vdc~600Vdc (30~50 pcs, 36 ~50 pcs no derating; 32~34 pcs output power factor 0.9; 30 pcs output power factor 0.8)							
	Load current on each module (A) max.	20A							
Transfer time		From grid to batteries: 0ms from grid to bypass: 0ms							
Protections	Overload	Inverter overload capacity: ◆ 105% < load ≤ 110%: transfer to bypass mode after 60 min ◆ 110% < load ≤ 125%: transfer to bypass mode after 10 min ◆ 125% < load ≤ 150%: transfer to bypass mode after 1 min Bypass overload capacity: ◆ Temperature ≤ 30°C, load ≤ 135%: long time ◆ Temperature ≤ 40°C, load ≤ 125%: long time ◆ 1000% load: 100 ms							
	Short circuit	Involves entire system							
	Overheating	Normal Mode: transfer to Bypass, Battery mode: turn off UPS immediately							
	Self-diagnosis	At start-up and through software							
	EPO (optional)	Switches immediately the unit							
	Battery	Advanced battery management							
	Noise suppression	According to EN62040-2							
Communication Interface		RS232, RS485, LBS, Parallel, SNMP card (optional), Relay card (optional)							
Environment	Operating temperature	0°C~40°C							

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	Storage temperature	-25°C~55°C							
	Humidity	0%~95% non-condensing							
	Altitude	< 1500m							
Display	Acoustic and display	Grid Failure, Low Battery, Overload, System Failure							
	LED	UPS Failure, Alarms and Normal Operation							
	Data	Input voltage, input frequency, output voltage, output frequency, load percentage, battery voltage, parameter set, event history...							
Various	FRAME size (WxDxH) mm	600x850x1200		600x850x1600		600x850x2000		1200x850x2000	
	MODULE size (WxDxH) mm	440x320x130							
	Cabinet weight (Kg)	145	155	250	265	280	360	480	540
	Module weight Kg)	34							
Safety standards		CE,EN/IEC 62040-3,EN/IEC 62040-1-1							

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