VOLTAN

POWERING CONNECTIONS • ENERGIZING SOLUTIONS

3:3 Phase PF: 1.0
Power Range: 50 KVA ~ 200 KVA



- Wide input Range
- Power Factor 1.0 PFC
- Double Conversion VFI TYPE
- Long Back-up
- IFR
- ECO
- Interface SNMP
- Hot swappable

Tower type UPS, is True Online Double Conversion, commonly used in office environments, small data centres or other locations where floor space is available and there's no need for rack-mounted equipment. Voltan UPS ensures providing a continuous and clean power supply to connected devices, regardless of the quality of the utility power. Have built in battery type for limited backup requirement and scalable for long run backup using External battery pack. LCD display panel are user friendly allowing user to monitor power status, configure settings and perform diagnostics directly from the UPS unit itself.

Tower type online UPS systems provide reliable protection against power disturbances such as blackouts, surges, sags and spikes, making them essential components of critical infrastructure in various applications.

Features:

- Wide input voltage range 138-485Vac (Phase voltage 80-280Vac), no derating when input voltage ≥ 305Vac
- High input power factor, it can be up to 0.99
- 3-level inverter topology, the efficiency can be up to 95.5%
- Support parallel expanded operation: maximum is 6 units
- Support sharing batteries for the UPS in parallel
- Power Walk In function, it can reduce the start current impact to system, and it can reduce the capacity of generator
- Output power factor is 1.0, UPS can supply power to 100% unbalance load
- High adaptability for load, it can connect full inductive load or capacitive load
- Compatible with VRLA or lithium battery
- LBS function can realize 2 independent UPS system work in synchronization, and it enhances the reliability of the system
- Support USB, RS485, RS232, BMS, SNMP, dry contact card

Voltan Technology Limited
48 Ravenor Park Road, Greenford, UB6 9QY, London, United Kingdom.

CE ISO RoHS

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SPECIFICATIONS

MODEL		V3350LPR-TY	V3360LPR-TY	V3380LPR-TY	V33100LPR-TY	V33120LPR-TY	V33150LPR-TY	V33160LPR-TY	V33180LPR-TY	V33200LPR-TY
Capacity		50kVA	60kVA	80kVA	100kVA	120kVA	150kVA	160kVA	180kVA	200kVA
INPUT										
Nominal voltage		380/400/415Vac (3Ph+N+PE)								
Operating voltage range		138~305Vac for 40% load; 305~485Vac for 100% load								
Operating frequency range		40~70Hz								
Power factor		≥0.99								
Harmonic distortion (THDi)		≤3% (100% Linear load)								
Bypass voltage range		Max.voltage: 220V: +25% (Optional +10%,+15%,+20%) 230V: +20% (Optional +10%,+15%) 240V: +15% (Optional +10%) Min.voltage: −45% (Optional -10%, -15%, -20%, -30%)								
Frequency protection range		50/60Hz±10%								
Generator input		Support								
OUTPUT										
Output voltage		380/400/415Vac (3Ph+N+PE)								
Voltage regulation		±1%								
Power factor		1.0								
Output frequency	Line mode	Synchronize with input, when the input frequency >±10% (±1%/±2%/±4%/±5% optional), output 50/60 (±0.1Hz)								
	Bat. mode	(50/60±0.2%)Hz								
Crest factor		3:1								
Harmonic distortion (THDv)		≤2% with linear load; ≤4% with non-linear load								
Overload	Inverter mode	≤110% 60min, ≤125% 10min, ≤150% 1min, >150% 1.2s shut down inverter								≤110% 60min, ≤125% 1min, >125% 1.2s shut down inverter
	Bypass mode	30℃: 135% for long term; 40℃: 125% for long term; >1000%, 100ms								
EFFICIENCY										
Efficiency		Up to 95.5%								
BATTERY										
Battery voltage		360Vdc~600Vdc								
Battery type		VRLA / Li								
Charge Current		20A (Max.)		40A (Max.)			60A (Max.)			
SYSTEM FEATURES										
Transfer time		Utility to Battery: 0ms; Utility to Bypass: 0ms								
Backfeed protection		Support								
Alarm		Overload, utility abnormal, UPS fault, battery low, etc								
Protection		Short circuit, overload, over temperature, battery low, fan fault alarm								
Remote LCD		Support								
Communication		USB, RS232, RS485, BMS, parallel port, dry contact, intelligent slot, LBS, SNMP card (Optional), relay card (Optional)								
ENVIRONMENTAL										
Operating temperature		0℃~40℃								
Storage temperature		-25℃~55℃ (No battery)								
Humidity range		0~95% (Non condensing)								
Altitude		<1000m, derating required when >1000m								
Noise level		<55dB	<58dB	<60dB	<62dB		<63dB		<64dB	<66dB
PHYSICAL										
Dimension W×D×H		250×828×868mm		442×850×1200mm						
Net weight		80kg	83kg	144kg	147kg	152kg	190kg	200kg	220kg	230kg
STANDARDS										
Safety		IEC/EN 62040-1, IEC/EN 62477-1								
EMC		IEC/EN 62040-2 (IEC 61000-2-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11)								

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