

PL33 TL Series

100~600kVA 3-Phase Tower UPS



► Power range

100~600kVA

► Operation

3P/3P, Online double conversion

► Applications

Government, Finance, IT, Education, Transportation, Broadcasting, Medical, Energy, etc.

► Characteristics

- 3P/3P pure online double transformation products, support 380 / 400 / 415V, 50 / 60Hz power grid system, to provide the ideal power supply quality and load protection.
- High performance and efficiency, input PF>0.99, THDi<3%, efficiency >96%.
- Full DSP control, flexible and robust digital control for rectifier, inverter and battery management.
- Wide range of voltage and frequency, adapt to different grid and generator input.
- Intelligent system self-diagnosis scheme, rich fault recording, large capacity of history record storage space.
- Redundancy fan design in power module, increasing the system reliability and tolerance.
- Top/bottom cable entry, flexible for different field installation.

Model		PL33 100TL	PL33 120TL	PL33 180TL	PL33 200TL	PL33 240TL	PL33 300TL	PL33 400TL	PL33 500TL	PL33 600TL	
Rate Power		100kVA	120kVA	180kVA	200kVA	240kVA	300kVA	400kVA	500kVA	600kVA	
Main input	Input	3P5W (3P+N+PE)									
	Rate Voltage	380/400/415VAC(L-L) ; 220/230/240VAC(L-N)									
	Rate Freq.	50/60Hz									
	Input PF	>0.99									
	Current distortion	THDi<3% (100% Linear load)									
	Voltage range	304 ~ 478VAC(L-L)full load ; 304 ~ 228VAC (L-L) power derate from 100% to 75%									
Battery	Rate voltage	±240VDC									
	Charging capacity	20%*Pout									
	Charging accuracy	±1%									
Bypass	Rate voltage	380/400/415VAC(L-L)220/230/240VAC(L-N)									
	Voltage range	Range: -40%- +25% , Settable, default -20% ~ +15% ;									
	Overload	125%, long time operation 130%<load <150%,1min	125%< load <130%, 10mins >150%,300ms	110%, long time operation 125%<load<150%,1 min	110%< load<125%, 5 mins >150%,1 second						
Inverter	Rate voltage	380/400/415VAC(L-L) ; 220/230/240VAC(L-N)									
	Rate Freq.	50/60Hz									
	Output PF	1									
	Voltage accuracy	±1.0%									
	Load response	<5% (20% - 80% -20% step load)									
	Recovery time	< 20ms (0% - 100% -0% step load)									
	Output THDu	<1% (linear load) , <5% (non-linear load according to IEC 62040-3)									
	Overload	110%,1 hour ; 125%,10 mins ; 150%,1 min ; >150%,200ms									
	Frequency accuracy	0.1%									
	Synchronize window	Settable , ±0.5Hz-±5Hz , default ±3Hz									
	Slew rate	Settable , 0.5Hz/S-3Hz/S , default 0.5Hz/S									
	Crest factor	3:1									
	Phase Accuracy	120°±0.5°									
System	Efficiency	Normal Mode up to 96% ; Battery Mode up to 96%									
	Display	LED + 7 inch touch LCD					LED + 10 inch touch LCD				
	Certification- Safety	IEC62040-1, IEC60950-1									
	Certification- EMS	IEC62040-2 ; IEC61000-4-2(ESD) ; IEC61000-4-3(RS) ; IEC61000-4-4 (EFT) ; IEC61000-4-5 (Surge)									
	IP degree	IP20									
	Configuration	USB, RS232, RS485, Dry contact, Cold start, Air filter									
	Option	SNMP card, AS400 card, Parallel kit, SPD, LBS									
	Environment	0-40℃ (operation) ; -25℃~70℃ (storage) ; 0-95% (Humidity, non-condensing)									
	Noise(dB)(1 meter)	72dB @ 100% load, 69dB @ 45% load									
Dimension	(W*D*H)mm	600*1000*1600					600*1000*2000	1200*1000*2000	1200*1100*2000		
Weight	Cabinet	185					248	250	578		
	Module	41									
Power Module rated capacity		50KW	60KW		50KW	60KW		50KW	62.5KW	60KW	



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