



Uranus PLUS Series Low Frequency UPS

10kVA-300kVA 3:3 PF:0.8



Performance Characteristics

- DSP full digital control technology effectively enhances product performance and system reliability
- Advanced IGBT inverter technology reduces system noise and power loss, with an input efficiency of over 95%
- Dual conversion pure online technology provides full-time protection for the load
- Comprehensive protection features include output overload, short circuit, inverter over-temperature, battery under-voltage warning, and battery overcharging protections
- Powerful redundant parallel capability supports N+1 or N+X configurations with up to 8 units in parallel
- Advanced communication features come standard with RS232, RS485, dry contact, and Emergency Power Off (EPO) interfaces
- Predictive alarm system and startup self-diagnostic function to timely avoid potential failure risks caused by UPS hidden issues
- Large full-color touchscreen display, 7-inch full-color touchscreen, multi-language display
- Supports 208V/220V/230V/240V/415V/440V/480V at 50/60Hz

Applied Range

Data Centers, Financial Securities, Industrial Manufacturing, Postal and Telecommunication Services, Rail Transit, Energy and Power, Industrial and Commercial Taxation, Healthcare and Medical Services

Series Overview

Prostar Uranus PLUS Series 3-Phase 208V/220V/230V/240V/440V/480V 10kVA-300kVA Low Frequency UPS adopts advanced DSP full digital control processing technology and IGBT high-frequency pulse width modulation technology. The double-conversion online topology structure design enables the UPS output to be a pure sine wave power supply that tracks frequency, phase-locks, stabilizes voltage, and filters out noise without being affected by grid fluctuations. Flexible parallel technology can be applied to different loads and systems, forming N+1 or N+X working architectures based on customer needs, and can also be used for up to 8 units in parallel with different capacities according to different customer requirements. Equipped with an output isolation transformer, static bypass switch, and manual maintenance switch, it has high short-circuit resistance and can be applied to demanding industrial environments, making it suitable for high-performance UPS power supply in critical applications.



Technical Specification

Model	GT10K PLUS	GT15K PLUS	GT20K PLUS	GT30K PLUS	GT40K PLUS	GT50K PLUS	GT60K PLUS	GT80K PLUS	GT100K PLUS	GT120K PLUS	GT160K PLUS	GT200K PLUS	GT300K PLUS	
Capacity (VA/W)	10K/8K	15K/12K	20K/16K	30K/24K	40K/32K	50K/40K	60K/48K	80K/64K	100K/80K	120K/96K	160K/128K	200K/160K	300K/240K	
Battery Voltage	384V										480V			
UPS Efficiency	≥95%													
Noise	48~54dB (Distance 1m)		53~60dB(Distance 1m)			53~62dB(Distance 1m)			54~65dB(Distance 1m)					
Size (WxDxHmm)	555x740x1220	805x695x1000		905x740x1220				1450x750x1400		1720x750x1400		1630x1026x1902		
Weight (Kg)	196	255	325	425	495	575	655	905	1055	1250	1450	2500	2950	
Input	Voltage			3 phase 4 wires and ground,208V/220V/230V/240V/440V/480V ± 25%										
	Frequency			50Hz/60Hz±5%(Automaticly)										
	Power Factor			≥0.95										
Output	Voltage			3 phase 4 wires and ground,208V/220V/230V/240V/440V/480V ± 1%										
	Frequency			50Hz/60Hz±0.05%(by battery)										
	Harmonic Distortion			Linear Load<3%, Non-linear load<5%										
	Imbalance Voltage			Balance load=1%,Imbalance load=3%										
	Phase Shift Angle			Balance load≤±1°,Imbalance load≤±2°										
	Dynamic Transient Range			Output at 0-50%~100%≤5%,Response≤10ms										
	Overload Capacity			110%≥300 Min,125%≥10 Min,150%≥1 Min										
	Crest Factor			3:1										
	Wave Form			Pure sina wave										
Transfer Time			0ms											
Battery	Max Charging Current			0.2A x C10										
	Charging Time(Standard)			12 Hours										
System Performance	Protective Function			Input overvoltage, undervoltage, output overload, short circuit, inverter over-temperature, battery undervoltage, overvoltage										
	Running Temperature & Humidity			Temperature 0~40°C, Humidity 0~95% (non-condensing)										
	Altitude			<1000m (with increase of 100m, it will reduce output of 1%)max 4000m										
	Communication Interface			RS232,RS485										
	Remote Signaling			Dry contact(battery low, battery discharging, bapass/fault),EPO										
	Remote Control			EPO and bypass										
	Degree of Protection			IP20										
	Parallel Mode			N+1,N+X,can be in parallel with diferent power capacity										
	Software Interface			Windows9x,2000,NT,ME,XP,Linux,Novell,Macosx,NT4.0										
	Mean Time Between Failures			300,000 Hours										
Optional			Dustproof & dampproof,isolating inverter transformer, lightning surge absorpton,state switches,manual maintenace swich											