GRP
GEGOR ROYAL POWER

WARRANTY 1 year BATTERIES INCLUDED

FACILITIES AND DATA CENTERS

WIN PLUS SERIES

On-line UPS double conversion with galvanic isolation form 100 to 800KVA

Description

The Win Plus series UPS are high performance power supply systems with three-phase input and three-phase output and galvanic isolation by high performance inverter output transformer designed to supply high quality power on a permanent basis.

Advanced diagnostics and unit information allow users to monitor system parameters and alarms, check the status of the battery and provide access to the history of events through the system software or multi language screen.

Win Plus Series

Performances

> Online UPS, Double conversion topology
> Three-phase input/three-phase output
> Multi DSP, CPLD, MCU digital control technology
> Wide input voltage/frequency range, adapt to harsh utility power
> Super overload capacity and output short-tolerant ability
> Power: from 100 to 800KVA
> Galvanic insulation by output transformer
> Environment friendly green UPS, with various harmonic restrain technology
> Advanced intelligent battery management to extend the battery life
> Redundant control power, increase even higher system reliability
> Independent cooling system, multi-protection design, ensures high reliability even under harsh environments
> High efficiency up to 94%
> Output power factor 0.9
> Extended battery options available
> Frontal connection type: RS232/ RS485

Applications

Small Data Center
Medium Data Center
Network & Sever
Industrial controls & Process Automation
Medical Equipment
Building Automation
Elevator & Escalator

GENERAL SPECIFICATIONS

Model	Win Plus									
Reference	Consult models and references depending on power and autonomies									
Power KVA	100	120	160	200	250	300	400	500	600	800
GENERAL										
Technology	On Line, double conversion									
Efficiency	ECO mode 97%, Double conversion mode 94%									
Overload	110% for 60 min / 125% for 10 min / 150% for 1 min									
INPUT										
Voltage	380, 400, 415VAC									
Voltage range	285~498VAC									
Frequency	50~60 Hz ± 10%									
Power factor	>0.97 (with input filter)									
Harmonic current distortion	<4.5% THDi (linear load) with input filter									
BYPASS										
Voltage	380/400/415VAC (Three phase + Neutral + Ground)									
Frequency	50/60Hz ± 10%									
Voltage range	± 2.5%, ± 5%, ± 10%, ± 20%, (selectable)									
OUTPUT										
Power (KVA/KW)	100/90	120/108	160/144	200/180	250/225	300/270	400/360	500/450	600/540	800/720
Voltage	380, 400, 415VAC									
Frequency	50Hz ± 0.5% (battery mode)									
Power factor	0.9									
Type of wave	Pure sinewave									
Harmonic distortion	< 1% with linear load / < 3% with non-linear load									
Crest factor	3 :1									
BATTERIES & BACKUP TIME										
Standard battery	12V, 30~34pcs battery (selectable)							12V, 38~42pcs battery (selectable)		
Backup time	Up to many hours (depending on connected load)									
INDICATORS										
LCD Display	Operating load/Battery status and voltage / Input and output voltage measurement / Input and output frequency measurement /Supplied power									
Leds	Mains on/By-pass/Inverter/Low battery / Overload/ UPS failure									
Acoustics	Mains failure, overload, low battery									
COMMUNICATIONS										
Control Software	Support windows XP/7/8/10/Linux/Mac									
Communications	Connector RS232/ RS485, MODBUS/ 14 Dry Contact Signal (Optional): output 12VDC 80 mA									
Indicators	Automatic functions checking: voltage, input/output frequency, load status, battery capacity, temperature, historic events, system analysis, 7 alarms type									
SNMP card (optional)	Power management from SNMP manager and web browser									
PROTECTION										
Protections	Current limitation, overload, short-circuit & overtemperature									
Maintenance bypass	Yes									
RFI filter	Yes									
Battery discharge protection	Yes									
STANDARDS										
Marks	CE									
Directives	**Safty:** IEC60950-1, IEC62040-1-1; **EMI:** IEC62040-2, ICE62040-3									
OTHERS										
Operation temperature	0-40ºC									
Relative humidity	0-95% (Non condensing or ice)									
Altitude without decreasing power	1000 Over sea level									
Noise (1M)	≤67dBA							≤71dBA	≤73dBA	≤75dBA
Parallel	N+X	Max 8 units								
DIMENSIONS & WEIGHT										
Depth (mm)	855								955	1000
Height (mm)	1900									
Wide (mm)	6 Pulse	890	1245	1640	2265	/				
	12 Pulse	1415	1770	2265	2265	2615	2865	3710		
Weight (kg)	6 Pulse	960	1075	1630	2105	/				
	12 Pulse	1390	1685	2290	2500	2850	3130	3630		

* External batteries, consult weights and dimensions for other autonomies,
Specifications may be changed without notice.

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