

PowerGuiding Series (10-60KVA) UPS ⇒ Online UPS

3/1 true online double conversion UPS for

- Data processing
- Medical imaging equipments
- Industrial process equipments
- Laboratories



Overview:

Everexceed PowerGuiding is a online UPS with 3 phases input, single phase output and is available from 10KVA to 60KVA. Well designed software allows for paralleling and hot backup, as well as stand-alone. The PowerGuiding is suitable for banks, stockjobbers, telecommunications, traffics, industrial automation and so on.

Features:

- Double conversion true online design provides perfect protection and high reliability.
- Allows for stand-alone, flexible 1+1, N+1 paralleling for different load.
- Be able to pass strict short circuit test and 2KVA high voltage isolation test.
- Isolated transformer reduces harmonic current and anomalies of utility power acting on the load
- DSP all-digital controls ensure system control precise, fast, stable, reliable.
- Provides powerful intelligent monitoring.
- Provides RS232, dry contact and paralleling interface.

General Specification							
Model	PG10	PG15	PG20	PG30	PG40	PG60	
Rated Power (KVA)	10	15	20	30	40	60	
Working	Online, Static bypass switch(seamless transfer), double conversion technology, output totally isolated						
AC Input	Phase	3 wires+N+G					
	Voltage	380V±20%					
	Frequency	50Hz±10%					
	Maximum Current (A)	25	33	40	50	57	65
	Power Factor	0.95 (With Input Filter)					
Soft Start	0-100%/5sec						
Bypass Input	Phase	L+N+G					
	Voltage	220V±15%					
	Frequency	50Hz±2%					
	Transfer Time	(Overload) 0 ms					
DC System	DC Voltage	384V (12V Battery, 32Inba)					
	Floating Charge Voltage	432V					
	Low Voltage Limit	336V					
	Maximum Discharge Current (A)	25	38	51	76	90	140
	Charge Current	10-25A(Configurable)					
AC Output	Phase	L+G+N					
	Voltage	220V±1%(Steady Load)					
	Frequency	50Hz±5%(Utility Power) 50Hz±0.05%(Battery Backup)					
	Power Factor	0.8lagging					
	Waveform	Sine Wave					
	Total Harmonic Distortion	Linear Load<3% Non-linear load <5%					
	Voltage Floating Range For Dynamic Load	±5% (0-100% Sabation)					
	Voltage Recovering Time For Dynamic Load	< 10ms(±5%)					
System	Overload Capability	125% 10min 150% 1min > 150% 1min					
	Efficiency	91%					
	Communication Interface	RS 232					
	Operating Temperature	0-40°C					
	Relative Humidity	0-90%Without Condensing					
Audible Noise	50dB	55dB			60dB		
Size of Outline Do(WxH)(mm)	580x1140x800						
Weight(KG)	210	258	310	380	430	490	
Remark	Product specifications are subject to change without further notice.						

General Specification of UPS Applied to Power Systems									
Mode	PG10S	PG15S	PG20S	PG30S	PG40S	PG50S	PG60S	PG80S	
Rated Power	10KVA	15KVA	20KVA	30KVA	40KVA	50KVA	60KVA	80KVA	
Working	Online, static bypass switch(seamless transfer), double conversion technology, output isolated from input								
AC Input	Voltage	380V±20% 3 wires+N+G							
	Frequency	50Hz±10%							
	Maximum Input Current	19A	29A	38A	57A	76A	95A	114A	152A
	Power Factor	0.95(With Input Filter)							
	Soft Start	0-100% 1sec							
Bypass Input	Voltage	220V±15% L+N+G							
	Frequency	50Hz±5%							
	Transfer Time	Inverter / Bypass(Overload)0ms							
DC	DC Voltage	220V or 384V						384V	
System	Floating Charge Voltage	DC220V: 250V; DC384V: 432V						432V	
	Voltage	If it needn't charge, there should be a reversed diode							
AC Output	Lower Limit Voltage	DC220V:190V;DC384V:336V						336V	
	Voltage	220V±1%(Steady Load) L+N+G							
	Frequency	50Hz±5%(Utility Power)			50Hz±0.05%(Battery Backup)				
	Power Factor	0.8lagging							
	Output Waveform	Sine Wave							
	Total Harmonic Distortion	Linear Load <3% Non-linear load <5%							
	Voltage Floating Range For Dynamic Load	±5% (0-100% Saltation)							
	Voltage Recovering Time For Dynamic Load	<10ms(±5%)							
	Overload Capability	125% 10min 150% 1min >150% 200ms							
	System	Efficiency	>91%(10-25K)			>95%(30-80KVA)			
Communication Interface		RS 232 / RS 422							
Operating Temperature		0-40°C							
Relative Humidity		0-90%Without Condensing							
Audible Noise		50dB		63dB			65dB		
Size of Outline D*W*H(mm)	600X800X1400			850X950X1800			900X1200X1800		
Weight(Kg)	198	253	311	380	470	530	620	880	

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