

- Online double-conversion
- DSP technology guarantees high reliability
- True galvanic isolation transformer design
- Control designed to withstand all kinds of loads
- Intelligent battery management to prolong battery lifecycle
- Redundant fan design and independent ventilation enhance durable operation under harsh environment
- Adjustable battery numbers
- Accept dual-mains input
- Parallel operation with up to 4 units (option)
- Variety of communication options available



GL33 Series Low Frequency Three Phase

MODEL		GL33- 10K	GL33-20K	GL33- 30K	GL33-40K	GL33- 60K	GL33- 80K	GL33- 100K	GL33- 120K	
CAPACITY		10KVA/8KW	20KVA/16KW	30KVA/24KW	40KVA/32KW	60KVA/48KW	80KVA/64KW	100KVA/80KW	120KVA/96KW	
INPUT	Nominal Voltage	3 x 380VAC/400VAC (3Ph + N)								
	Acceptable Voltage Range	305VAC ~ 460VAC								
	Frequency	46-54Hz or 56-64Hz								
INVERTER	Nominal Voltage	3 x 380VAC/400VAC (3Ph + N)								
	Precision	Stationary: ±1% Transitory: ±5% (load variations 100-0-100%)								
	Frequency	50/60 Hz synchronised ±1 % With mains absent ±0.1 Hz								
	Max. Synchronisation Speed	±1 Hz/s								
	Waveform	Pure Sinewave								
	Total Harmonic Distortion (THDv)	<2% (Linear Load) <5% (Non-linear Load)								
	Phase Displacement	120° ±1% (balanced load) 120° ±2% (imbalance 50% of the load)								
	Dynamic Recovery Time	1 cycle at 98 % of the static value								
	Admissible Overload	110% for 10min; 150% for 60sec ; >160% for 200ms								
	Admissible Crest Factor	3:1								
	Admissible Power Factor	0.6~1 (inductive or capacitive)								
Imbalance Output Voltage @	<1%									
Current Limit	High overload, short-circuit: RMS Voltage Limit High Crest-Factor current: Peak Voltage Limit									
STATIC BYPASS	Type	Solid state								
	Voltage	3 x 380VAC/400VAC (3Ph + N)								
	Frequency	50/60 Hz								
	Activation Criterion	Microprocessor control								
	Transfer Time	Zero								
	Admissible Overload	150% for 1 hour; 180% for 30sec; >200% for 200ms								
	Transfer to Bypass	Immediate, for overloads above 160%								
Retransfer	Automatic after alarm clear									
MAINTENANCE BYPASS	Type	Without interruption								
	Voltage	3 x 400V (3Ph + N)								
	Frequency	50/60 Hz								
	Overall Efficiency	Line Mode	90%	91%	92%	93%				
	Battery Mode	90%	91%	93%	93%					
BATTERY & CHARGER	Battery Type and Numbers	12VDC x 16 pcs	12VDC x 32 pcs (29~32 pcs adjustable)							
	Nominal Battery Voltage	192 VDC	384 VDC (Based on 32pcs batteries)							
	Charging Method	CC/CV								
	Precision	±1%								
	Charging Current	Max.: 40 A								
PHYSICAL	Charging Voltage	216 VDC	432 VDC (Based on 32pcs batteries)							
	Dimensions, D x W x H(mm)	656 x 405 x 817	656 x 405 x 941	821 x 432 x 1159		975 x 554 x 1286		975x635x1326		
	Net Weight (Kgs)	130~140	205	278	318	416	489	554	650	

Product specifications are subject to change without further notice

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