On Line Low Frequency UPS

GL33 10-200K(L)

Technical Features:

- Online double-conversion
- Optional 7'' touch LCD
- DSP technology guarantees high reliability
- True galvanic isolation transformer design
- Intelligent battery management to prolong battery lifecycle
- 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
- Control designed to withstand all kinds of loads
- Reverse phase frequency operation and supports non-neutral input

Technical Specifications:

MODEL	GL33-10K(L)	GL33-15K(L)	GL33-20K(L)	GL33-30K(L)	GL33-40K(L)	GL33-60KL	GL33-80KL	GL33-100KL	GL33-120KL	GL33-160KL	GL33-200KL
CAPACITY	10KVA / 8KW	15KVA / 12KW	20KVA / 16KW	30KVA / 24KW	40KVA / 32KW	60KVA / 48KW	80KVA / 64KW	100KVA / 80KW	120KVA / 96KW	160KVA / 128W	200KVA / 160W
INPUT											
Nominal Voltage	3 x 380VAC/400VAC/415VAC (3Ph + N)										
Acceptable Voltage Range	165VAC ~ 280VAC (Ph-N) ; 285VAC ~ 485VAC (Ph-Ph)										
Frequency	50/60 Hz ± 10 %										
INVERTER											
Nominal Voltage	3 x 380VAC/400VAC/415VAC (3Ph + N)										
Precision	Stationary: ±1% Transitory: ±5% (load variations 100-0-100%)										
Frequency											
Max. Synchronisation Speed	50/60 Hz synchronised ±1 % With mains absent ±0.1 Hz										
Waveform	±1 Hz/s										
Total Harmonic Distortion (THDv)	Pure Sinewave										
Phase Displacement	<2% (Linear Load) ;<5% (Non-linear Load) ;120° ±1% (balanced load) ;120° ±2% (imbalances 50% of the load)										
Dynamic Recovery Time	3 cycles at 90 % 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 @ 100% Unbalanced Load	<1%										
Current Limit	High overload, short-circuit: RMS Voltage Limit ; High Crest-Factor current: Peak Voltage Limit										
STATIC BYPASS											
Type	Solid state										
Voltage	176VAC ~ 264VAC (Ph-N) ; 304VAC ~ 456VAC (Ph-Ph)										
Frequency	50/60 Hz ± 10 %										
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	Same as the bypass input										
Frequency	Same as the bypass input										
Overall Efficiency – Line Mode	89%		90%		91%		92%				
Overall Efficiency – Battery Mode	90%		91%		92%		93%				
BATTERY & CHARGER											
Battery Type and Numbers	12VDC x 32 pcs (29~32 pcs adjustable)										
Nominal Battery Voltage	384 VDC (Based on 32pcs batteries)										
Charging Method	CC/CV										
Precision	±1%										
Charging Current	Default 10A			Default 10A; Maximum 40A; 5A@ full load							
Charging Voltage	432 VDC (Based on 32pcs batteries)										
ALARM											
Dimensions, D x W x H(mm)	656x405x817			656x405x941	821x432x1159		975x554x1286		975x635x1326	1051x705x1646	
Net Weight (Kgs)	118	120	145	193	278	365	471	573	650	735	790

* The maximum current is never higher than 40A.
Product specifications are subject to change without further notice

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