



G-120K33

G-100K33/G-80K33

G-60K33 G-40K33

G-30K33

G-20K33/ G-15K33

Power Model

G-15K33: 15kVA/12kW
G-20K33: 20kVA/16kW
G-30K33: 30kVA/24kW

G-40K33: 40kVA/32kW
G-60K33: 60kVA/48kW
G-80K33: 80kVA/64kW

G-100K33: 100kVA/80kW
G-120K33: 120kVA/96kW

Main Features

- 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
- 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
- Optional 7" touch LCD
- Reverse phase frequency operation and supports non-neutral input

Technical Specifications

MODEL		G-15K33	G-20K33	G-30K33	G-40K33	G-60K33	G-80K33	G-100K33	G-120K33
CAPACITY		15kVA/12kW	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		285VAC ~ 485VAC							
Frequency		50/60 Hz ± 10 %							
INVERTER									
Nominal Voltage		3 x 380VAC/400VAC/415VAC (Selectable)							
Precision		Stationary: ±1% Transitory: ±5% (load variations 100-0-100%)							
Frequency		50/60 Hz synchronised ±1% With mains absent ±0.1 Hz							
Max. Synchronization 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% (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		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	89%	90%	91%	92%				
	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, *Maximum=Capacity (KW)/ Battery Voltage(real-time)		Default 10A; Maximum 40A; 5A@ full load					
Charging Voltage		432 VDC (Based on 32pcs batteries)							
PHYSICAL									
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		975 x 554 x 1326
Net Weight (Kgs)		120	145	193	278	365	471	573	760
ENVIRONMENT									
Operating Temperature		0~ 35°C continuous running, 40°C 8-hour running at nomina linput voltage, recharging batteries and no overload, 45°C derating to 85% with linear load							
Humidity		0~90% (non-condensing)							
Noise Level		Less than 70dB @ 1 Meter							
MANAGEMENT									
Modbus RS-232/RS485		Supports Windows® 2000/2003/XP/Vista/2008/7/8, Linux and MAC							
Dry Contacts		6 outputs and 2 inputs							
Optional SNMP		Power management from SNMP manager and web browser							

Product specifications are subject to change without further notice

Authorized Distributor:



1291 1-2553
 1291 2-2553
 1291 3-2555