



GP Series For Industrial and medical Equipment

GP100K, GP120K, GP160K, GP200K for Home & Office PC



- 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)
- Varieties of communication options available
- Optional 7" touch LCD
- Reverse phase frequency operation and supports non-neutral input

MODEL	GP 100K	GP 120K	GP 160K	GP 200K
CAPACITY	100 KVA / 80 KW	120 KVA / 96KW	160 KVA / 128KW	200 KVA / 160KW
INPUT				
Nominal Voltage	3 x 380VAC/400VAC (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 (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. 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% ~ 150% 10 min ~ 60 sec ; 150% ~ 160% 60 sec~ 200ms ; >160% 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	0% ~ 150% continuous working ; 150% ~ 180% 60 min~5 min ; >180% 5 min			
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	92%			
Line Mode	92%			
Battery Mode	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 40A; 5A@ full load			
Charging Voltage	432 VDC (Based on 32pcs batteries)			
PHYSICAL				
Dimensions, D x W x H (mm)	975 x 554 x 1286	975 x 554 x 1326	1051 x 705 x 1646	790
Net Weight (Kgs)	573	650	760	790

Product specifications are subject to change without further notice.

