

Powertronic

Series Giant 3P/3P



300-800k
(Up to 4 units parallel) 160-200k 80-120k 40-60k 10-30k

- 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

ONLINE UPS

Giant 3-phase in/3-phase out Online UPS Selection Guide

MODEL	Giant 10K	Giant 15K	Giant 20K	Giant 30K	Giant 40K	Giant 60K	Giant 80K	Giant 100K	Giant 120K	Giant 160K	Giant 200K
CAPACITY	10 KVA / 8 KW	15KVA / 12KW	20 KVA / 16 KW	30 KVA / 24 KW	40 KVA / 32 KW	60 KVA / 48 KW	80 KVA / 64 KW	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	285VAC ~ 475VAC										
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% 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 (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	1051 x 705 x 1646	
Net Weight (Kgs)	118	120	145	193	278	365	471	573	650	760	840

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

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