

G Industrial UPS

Features:

- Double-conversion
- Advanced battery management
- Online topology
- DSP technology guarantees high reliability
- Dual mains input
- Redundant parallel connection up to 4 units
- Galvanic isolation transformer for industrial environment
- Spacial redundant fan ventilation for dusty area



Specifications

| MODEL | G10K | G15K | G20K | G30K | G40K | G60K | G80K | G100K | G120K | G160K | G200K |
|---|---|----------------|----------------|---|------------------|----------------|------------------|-----------------|------------------|------------------|------------------|
| CAPACITY | 10KVA/ 8KW | 15KVA/ 12KW | 20KVA/ 16KW | 30KVA/ 24KW | 40KVA/ 32KW | 60KVA/ 48KW | 80KVA/ 64KW | 100KVA/ 80KW | 120KVA/ 96KW | 160KVA/ 128KW | 200KVA/ 160KW |
| 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 | 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) | | | | | | | | | | |
| 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% | | | | | | |
| | 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 635 x 1326 | 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