

Garun 40KL

PN: UP33TOP140KGAAZ01B
EAN: 6422956009427

Specifications

| | |
|--------------------------------------|--|
| Capacity | 40k VA / 40k W |
| Type | On-line |
| Input | |
| Nominal Voltage | 3 x 400 VAC (3Ph+N) |
| Voltage range | 190-520 VAC (3-phase) @ 50% load 305-478 VAC (3-phase) @ 100% load |
| Frequency Range | 46 ~ 54Hz |
| Phase | 3 Phases IN / 3 Phases OUT |
| Power Factor | ≥ 0.99 at 100% load |
| Outlet type | Terminal Block Wiring |
| Output | |
| Nominal Voltage | 3 x 360*/380/400/415 VAC (3Ph+N) |
| AC Voltage Regulation (Batt. Mode) | ± 1% |
| Frequency Range (Synchronized Range) | 46 ~ 54Hz |
| Frequency Range (Batt. Mode) | 50Hz ± 0.1 Hz |
| Current Crest Ratio | 3:1 (max.) |
| Harmonic Distortion | ≤ 2 % THD (Linear Load) ≤ 5 % THD (Non-linear Load) |
| Waveform (Batt. Mode) | Pure Sine-wave |
| Outlet type | Terminal Block Wiring |
| Transfer Time | |
| AC Mode to Batt. Mode | Zero |
| Inverter to Bypass | Zero |
| Overload | |
| AC Mode | 100-110% for 60 min 110-125% for 10 min 125%~150% for 1 min >150% immediately |
| Battery Mode | 100-110% for 60 min 110-125% for 10 min 125%~150% for 1 min >150% immediately |



3 Phases IN /
3 Phases OUT



True double
conversion



Parralel operation
up to 3 units

- On-line with double conversion
- Smart battery charger to optimize batteries' performance
- Adjustable batteries design
- Output power factor 1.0
- Optional isolation transformer**
- DSP technology guarantees high performance
- Active power factor correction in all phases
- High Efficiency on AC mode up to 95.5%
- EPO function
- Maintenance bypass
- 4.3" large touch LCD display
- Power management over SNMP / Modbus / AS 400 card
- ECO mode operation for energy saving
- Dual Input for generators compatibility

*When output voltage is set as 3 x 360VAC, the output power of the unit will be de-rated to 90%.
**Isolation transformer will occupy the internal batteries' space.

Efficiency

| | |
|--------------|---------------------------------------|
| AC Mode | ≥ 95.5 % with fully charged batteries |
| Battery Mode | ≥ 94.5 % with fully charged batteries |
| ECO Mode | ≥ 98.5 % with fully charged batteries |

Battery

| | |
|-------------------------------|---|
| Internal batteries (optional) | 32~80 pieces of 12V lead acid 7Ah or 9Ah |
| External batteries | 12V lead acid, (N + N) pcs x 1~2 strings; N=16~20 |
| Charging Voltage | +/- 13.65V*N; N=16~20 |
| Charging Current (max) | 1A-12A (adjustable) |

Environment

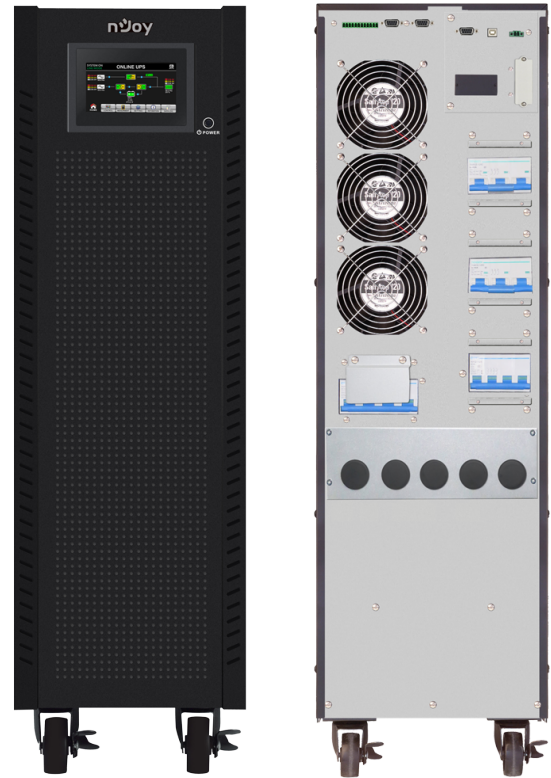
| | |
|-------------|---|
| Humidity | < 95 % RH at 0-40°C (non-condensing) |
| Noise level | Less than 70dB at 1 m |

Management




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|------------------------|---|
| Communication ports | RS232 / USB / EPO / SNMP / Modbus / AS400 (cards optional) |
| Software compatibility | ViewPower Network Edition and VMWare Shutdown Wizard |

Physical

| | |
|--------------------|---------------------|
| Product dimensions | 815 x 300 x 1000 mm |
| Product Net Weight | 67 kg |



Logistics

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|--|---------------------|
|  Carton Box Size (LxWxH) | 900 x 420 x 1080 mm |
|  Pieces in the Carton Box | 1 |
|  Gross weight / CTN | 89 kg |

Certificates

RoHS 2011/65/EU **CE**