

C1 Series UPS_{30-120 kVA} | Three phase

- IGBT Rectifier
- Digital Signal Processing (DSP) Technology

✓ TECHNOLOGY

- IGBT rectifier
- High efficiency (up to 92%)
- High input PF (≥ 0.99)
- Low input current THD (<4%)
- Low output voltage THD (<2%)
- Short response time (<2ms)
- High input and output performance

✓ RELIABLE

- Parallel option up to 6 units
- Intelligent redundancy management (n, n+1 and n+x)
- Variable input low voltage depending on loading percentage (up to -36%)
- Programmable high overload capacity
- Short circuit protection
- Remote emergency power off
- Dual input (Optional)
- Optimum generator compatibility

✓ USER-FRIENDLY

- Reduced weight/volume/footprint
- Higher efficiency with eco-mode (up to 98%)
- Self-loading (regenerative mode)
- Adjustable input / output voltage & selectable frequency
- Extended battery life with intelligent battery management
- Automatic and manual battery test with adjustable period and duration
- User-friendly LCD interface
- Multi language options up to 10 languages
- 512 real time event log and easy download
- Multi communication options
- Remote monitoring and management software
- Programmable dry contacts
- Custom inputs
- Manual bypass
- Easy installation and maintenance
- 10 years spare part warranty
- 7/24 technical support and customer service

✓ STANDARDS

- EN 62040-1 (Safety)
- EN 62040-2 (EMC)
- CE, ISO 9001:2008, ISO 14001, GOST



ELEN

C1 SERIES UPS TECHNICAL SPECIFICATIONS

| Power (kVA) | | 30 | 40 | 60 | 80 | 100 | 120 |
|-------------------|-----------------------------|----------------------------------------------------------------------------|-----|-------------|-----------------|---------------|-----|
| INPUT | Voltage | 380 / 400 / 415 Vac 3ph + N | | | | | |
| | Voltage Tolerances | ± 15% (without downgrading), -36% (depending on load percentage) | | | | | |
| | Frequency | 50 / 60 Hz | | | | | |
| | Frequency Tolerances | ± 10% | | | | | |
| | Power Factor | ≥ 0,99 | | | | | |
| | THD _i | < 4% | | | | | |
| BYPASS | Dual Input | Optional | | | | | |
| | Voltage | 380 / 400 / 415 Vac 3ph + N | | | | | |
| | Voltage Tolerances | ± 10% (adjustable) | | | | | |
| | Frequency | 50 / 60 Hz | | | | | |
| | Frequency Tolerances | ± %4 (adjustable up to ± 10%) | | | | | |
| | Maintenance Bypass | Standard | | | | | |
| OUTPUT | Voltage | 380 / 400 / 415 Vac 3ph + N | | | | | |
| | Voltage Tolerances | ± 1% (static load), dynamic load in accordance with VFI-SS-11 | | | | | |
| | Frequency | 50 / 60 Hz (selectable) | | | | | |
| | Frequency Tolerances | ± 0.1% (self-synchronize), ± 4% (mains-synchronize, adjustable up to ± 5%) | | | | | |
| | Power Factor | 0,8 | | | | | |
| | THD _o | ≤ 2% (linear load), ≤ %5 (non-linear load) | | | | | |
| | Crest Factor | 3:1 | | | | | |
| OVERLOAD CAPACITY | ≤ 110% | up to 60 min. | | | | | |
| | ≤ 130% | up to 10 min. | | | | | |
| | ≤ 150% | up to 1 min. | | | | | |
| EFFICIENCY | Online | up to 92% | | | | | |
| | Eko-mod | up to 98% | | | | | |
| GENERAL | Technology | True online-double conversion, IGBT rectifier | | | | | |
| | Control | DSP, SPWM | | | | | |
| | Paralleling Units | Up to 6 units | | | | | |
| | Communication | SNMP (optional), RS232, RS485, MODBUS | | | | | |
| | Remote Monitoring | SNMPView, Remote panel(Optional) | | | | | |
| | Dry Contacts | Programmable 3 dry contacts | | | | | |
| | Custom Inputs | Generator, Battery temperature sensor, Remote EPO, Remote Start/Stop | | | | | |
| ENVIRONMENT | Operating Temperature | from 0 °C up to +40 °C (from 20 °C to 25 °C for maximum battery life) | | | | | |
| | Relative Humidity | 0% - 85% (without condensation) | | | | | |
| | Maximum Altitude | ≤ 2000 m | | | | | |
| | Noise Level | < 65 dB (A) | | | | | |
| UPS CABINET | Dimensions (W x D x H) (mm) | 480x895x1225 | | | | 480x1000x1225 | |
| | Weight (kg) | 170 | 185 | 200 | 265 | 330 | 350 |
| | Degree of Protection | IP20 | | | | | |
| | Colour | RAL7012 | | | | | |
| BATTERY | Battery Quantity | 60 / 64 | | | | | |
| | Internal Battery(maximum) | 64 7-9 Ah | 128 | 64 12 Ah | (not available) | | |
| STANDARDS | Safety | EN 62040-1 | | | | | |
| | EMC | EN 62040-2 | | | | | |
| UPS LIFETIME | | 10 YEARS | | | | | |