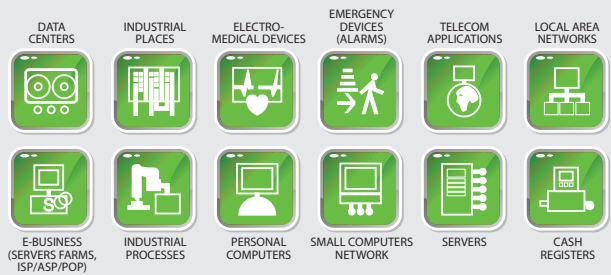


C Series UPS

30 - 120 KVA | three phase



"IGBT Rectifier"

"Digital Signal Processing (DSP) Technology"

NEW 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
- ⌚ Optimum generator compatibility

USER-FRIENDLY

- ⌚ Reduced weight/volume/footprint
- ⌚ Highest efficiency 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
- ⌚ Easy maintenance
- ⌚ 10 years spare part warranty
- ⌚ 7/24 technical support and customer service

STANDARDS

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



C Series UPS

30 - 120 KVA | three phase

TECHNICAL SPECIFICATIONS	C Series															
Power (KVA)	30	40	60	80	100	120										
INPUT																
Voltage	380 / 400 / 415 Vac 3ph + N															
Voltage tolerances	± 15% (without downgrading)															
Frequency	50 / 60 Hz															
Frequency tolerances	± 10%															
Power factor	≥ 0.99															
THDi	< 4%															
BYPASS																
Dual input	Standard															
Voltage	380 / 400 / 415 Vac 3ph + N															
Voltage tolerances	± 10% (adjustable)															
Frequency	50 / 60 Hz															
Frequency tolerances	adjustable up to ± 10%															
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															
THDv	≤ 2% (linear load), non-linear load in accordance with IEC/EN 62040-3															
Crest factor	3:1															
OVERLOAD CAPACITY																
110%	Normal mode continuously															
125%	10 min.															
150%	1 min.															
> 150%	Bypass mode continuously															
EFFICIENCY																
Online	up to 92%															
Eco-mode	up to 98%															
GENERAL																
Technology	True online-double conversion, IGBT rectifier															
Control	DSP, SPWM															
Battery quantity of a group (12V)	60/64															
Communication	SNMP, RS232, RS485, MODBUS															
Remote monitoring	SNMPView, UPSMon, Remote panel															
Dry contacts	Programmable 3 dry contacts															
Custom inputs	Generator, Battery temperature sensor, Remote EPO															
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	1000 m (without downgrading), max. 2000 m															
Noise level	< 65 dB (A)															
Paralleling units	up to 6															
UPS CABINET																
Dimensions (W x D x H) (mm)	480 x 890 x 1220															
Weight (kg)	170	185	200	265	320	340										
Degree of protection	IP20															
Colour	RAL7012															
Internal battery	128 pcs. of 7-9Ah / 64 pcs. of 12Ah			not available												
BATTERY CABINET																
Cabinet no.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Battery quantity (max.)	64	32	64	128	64	64	64	64	64	32	64	32	64	32	60	32
Battery capacity (Ah)	7-9		12		18	26	30-33-35	38-40-45	55	65		60-75-80		90-100		120
STANDARDS																
Certificates	EN 62040-1 (Safety), EN 62040-2 (EMC)															
UPS LIFETIME																
	10 YEARS															

ELEN reserves the right to make any changes to data without prior notice.

Update:22/12/2011

