

AC/DC[®] UPS

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UPSon C Series Uninterruptible Power Supplies True Online 3 Phase Input - 3 Phase Output

%92
Efficiency



30 - 120 kVA

- * IGBT Rectifier
- * Digital Signal Processing (DSP) Technology

NEW TECHNOLOGY

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

RELIABLE

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

USER - FRIENDLY

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

TÜV
AUSTRIA
HELLAS
EN ISO 9001:2008

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

Your Positive Energy source ...

MODEL	UPSon C Series															
Power	30 kVA		40 kVA		60 kVA		80 kVA		100 kVA		120 kVA					
INPUT																
Voltage	380 / 400 / 415 VAC ; 3 ph + N															
Voltage tolerances	± %15 (without downgrading)															
Frequency	50 / 60 Hz ± %10															
Power factor	≥ 0,99															
THD _v	< %4															
BYPASS																
Dual input	Optional															
Voltage	380 / 400 / 415 VAC ; 3 ph + N															
Voltage tolerance	±%10 (adjustable)															
Frequency	50 / 60 Hz.															
Frequency tolerance	± %4 (adjustable up to ± 10 %)															
OUTPUT																
Voltage	380 / 400 / 415 VAC ; 3 ph + 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) , ± %1 (mains - synchronize , adjustable up to , ± %5)															
Power factor	0,8															
THD _v	≤ %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-mode	up to 98 %															
GENERAL																
Technology	True online - double conversion, IGBT rectifier															
Control	DSP, SPWM															
Battery quantity of a group (12V)	60 / 64															
Paralleling units	up to 6															
Communication	SNMP(optional) , RS232, RS485, MODBUS															
Remote monitoring	SNMPView, UPSMon, Remote panel (Optional)															
Dry contacts	Programmable 3 dry contact															
Custom inputs	Generatör, battery temperature sensor, remote															
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)	480 x 895 x 1225							480 x 1000 x 1225								
Weight (kg)	170	185	200	265	330	350										
Degree of protection	IP20 (Optional IP23 or IP54)															
Color	RAL7012															
Internal battery	60	120	60	not available												
	7-9 Ah		12Ah													
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	5 YEARS															

*** AC/DC reserves the right to make any changes to data without prior notice.

Update: 21 / 10 / 2012



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