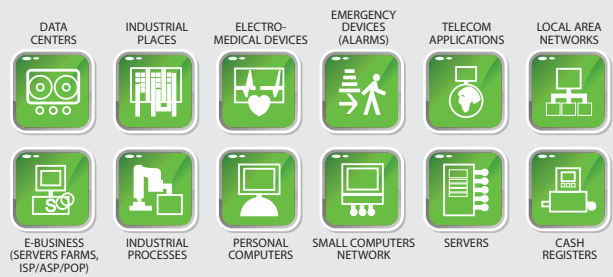


D Series UPS

160 - 600 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 ($< 2\text{ms}$)
- 🌀 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
- 🌀 Local and 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
- 🌀 Dual LCD user 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



D Series UPS

160 - 600 KVA | three phase

TECHNICAL SPECIFICATIONS	D Series											
Power (KVA)	160	200	250	300	400	500	600					
INPUT												
Voltage	380 / 400 / 415 Vac 3ph + N											
Voltage tolerances	± 15% (without downgrading)											
Frequency	50 / 60 Hz											
Frequency tolerances	± 10%											
Power factor	≥ 0.99											
THD _i	< 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											
THD _v	≤ 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											
Paralleling units	up to 6											
Communication	SNMP, RS232, RS485, MODBUS											
Remote monitoring	SNMPView, UPSMon, Remote panel											
Dry contacts	Programmable 7 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)				< 70 dB (A)							
UPS CABINET												
Dimensions (W x D x H) (mm)	630x1110x1450		780 x 1260 x 1850			3030 x 810 x 1925						
Weight (kg)	490	730	850	870	1380	1600	1800					
Degree of protection	IP20											
Colour	RAL7012											
BATTERY CABINET												
Cabinet no.	5	6	7	8	9	10	11	12	13	14	15	16
Battery quantity (max.)	64	64	64	64	64	32	60	32	64	32	60	32
Battery capacity (Ah)	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:14/12/2011



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