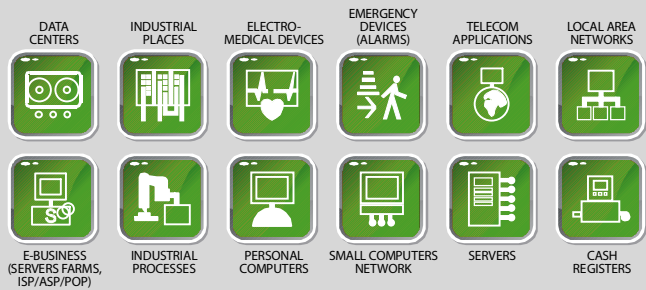


# D Series UPS

120 - 600 KVA | three phase



"IGBT Rectifier"

"Digital Signal Processing (DSP) Technology"

## NEW TECHNOLOGY

- ⌚ IGBT rectifier
- ⌚ High efficiency (up to 92%)
- ⌚ High input PF ( $\geq 0.99$ )
- ⌚ 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
- ⌚ 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 mode (eco-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, GHOST



# D Series UPS

120 - 600 KVA three phase

TECHNICAL SPECIFICATIONS		D Series								
Power (KVA)	120	160	200	250	300	400	500	600		
<b>INPUT</b>										
Voltage	380 / 400 / 415 Vac 3ph + N									
Voltage tolerances	± 15% (without downgrading)									
Frequency	50 / 60 Hz									
Frequency tolerances	± 10%									
Power factor	≥ 0.99									
THD <sub>i</sub>	< 4%									
<b>BYPASS</b>										
Dual input	Standard									
Voltage	380 / 400 / 415 Vac 3ph + N									
Voltage tolerances	± 10% (adjustable)									
Frequency	50 / 60 Hz									
Frequency tolerances	adjustable up to ± 10%									
<b>OUTPUT</b>										
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 <sub>v</sub>	≤ 2% (linear load), non-linear load in accordance with IEC/EN 62040-3									
Crest factor	3:1									
Short circuit current	up to 4.5 x I <sub>n</sub>									
<b>OVERLOAD CAPACITY</b>										
110%	Normal mode continuously									
125%	10 min.									
150%	1 min.									
> 150%	Bypass mode continuously									
<b>EFFICIENCY</b>										
Online	up to 92%									
Eco-mode	up to 98%									
<b>GENERAL</b>										
Technology	True online-double conversion, IGBT rectifier									
Control	DSP, SPWM									
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									
<b>ENVIRONMENT</b>										
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)					
<b>UPS CABINET</b>										
Dimensions (W x D x H) (mm)	630 x 1110 x 1450			780 x 1260 x 1850			2900 x 810 x 1950			
Weight (kg)	470	490	730	850	870	1380	1600	1800		
Degree of protection	IP20									
Colour	RAL7012									
<b>BATTERY CABINET</b>										
Code	JBX07-2	JBX07-3	JBX08-1	JBX09-1	JBX11-1	JBX10-1	JBX12-3	JBX13-2	JBX13-4	
Battery quantity	64	32	64	64	64	32	32	32	32	
Battery capacity (Ah)	7-9	12	18	26-28	40-45	40-45	55-60	65-80	100-115	
<b>STANDARDS</b>										
Certificates	EN 62040-1 (Safety), EN 62040-2 (EMC)									
<b>UPS LIFETIME</b>										
10 YEARS										

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

Update:28/03/2011