

# D Series

## 120 - 600 kVA



- IGBT rectifier & inverter technology
- True Online Double Conversion
- Dual Interactive display
- Automatic Frequency sensing
- Intelligent battery operations
- Control Software
- Static bypass
- Generator Compatible
- High input voltage tolerance (80-280V)
- Parallel operation
- High efficiency
- Multi-communications capability
- Microprocessor controlled
- Multi-communications capability
- Microprocessor controlled
- High input power factor
- Power Factor Correction (PFC)
- Low harmonics
- Smart fan speed control
- Manual bypass

# ELEN

UNINTERRUPTIBLE POWER SUPPLY

[www.enelpower.com](http://www.enelpower.com)

# TECHNICAL SPECIFICATIONS

Model	D Series 20-300 kVA							
Rated Power (in kVA)	120	160	200	250	300	400	500	600
<b>INPUT DATA</b>								
Voltage	380 / 400 / 415V + N, 3 Phase+N							
Voltage Range	± 20% at full load							
Dynamic Voltage range <sup>1</sup>	139 - 485 V							
Frequency	50/60 Hz							
Frequency Range	±10%							
Power Factor	≥0.99							
Total Harmonic Distortion	<4%							
<b>OUTPUT DATA</b>								
Voltage	380 / 400 / 415V + N, 3 phase+N							
Voltage regulation	±1 static, +3 dynamic at 100% load change, <2ms recovery time							
Frequency	50/60 Hz							
Frequency Tolerance	±0.1 % (Auto-synchronized), ±1% (Synchronized with the mains)							
Power Factor	0.8							
Total Harmonic Distortion	<1% (At linear load), <3% (non-linear load) <sup>1</sup>							
Load Crest Factor	3:1							
Overload	125% rated load for 10 min. 150% rated load for 1 min.							
<b>GENERAL DATA</b>								
Topology	On-line, Double conversion with SWPM controlled IGBT rectifier and inverter							
Parallel Technology	With or without wireless and communication free paralleling (n+1)							
Redundancy	High reliability, no limitation at the quantity and power							
Control	Multi microcontroller							
Type of Protection	IP21							
Standards	EN 50091-1 / EN 62040-1 (safety), EN 50091-2 / EN 62040-2 (EMC)							
Efficiency (On-Line mode) <sup>2</sup>	≥94% (On-line mod) <sup>2</sup> , ≥98% (Eco mod)							
Static & Maintenance By-pass	Standart							
<b>MONITORING AND CONTROL DATA</b>								
Power Management Display (PMD)	Dual interactive display screen, press buttons							
Communication Port (Smart Port)	Serial RS 232 / RS 485 / RJ45							
Communication Port (Dry Port)	Volt - Programmable 7 contacts							
Advance Communication	Modbus/Jbus/Profibus, Modem, Web, Telnet, GPRS, SNMP							
Control and Monitoring Software	EPC SNMP Universe Software							
<b>PHYSICAL DATA</b>								
Ambient Temperature	0°C to 40°C							
Relative Humidity	0% to 95% (Noncondensing)							
Noise Level <dB (A)	<55		<60		<65			
Operation Altitude	1000 m							
Color	RAL 7035							
Dimentions								
Without Battery (WxHxD) mm	530x860x1450		630x1110x1450		780x1260x1860			
Weight Without Battery (kg)	282	282	282	324	422	434	680	690 724 840

ELEN reserves the right to make any changes to data without prior notice.  
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<sup>1</sup>According to power

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For more product information please contact.