ELEKTRA SERIES

INDUSTRIAL GRADE ONLINE DOUBLE CONVERSION UPS

10KVA ~ 40KVA (3/1)

Mission Critical &
Industrial Grade UPS

INDUSTRIAL GRADE ONLINE DOUBLE CONVERSION UPS (Elektra Series)

DP Electronics (Deutsche Power Co., Limited)

Elektra Series (3/1, L.F) (10KVA~40KVA)

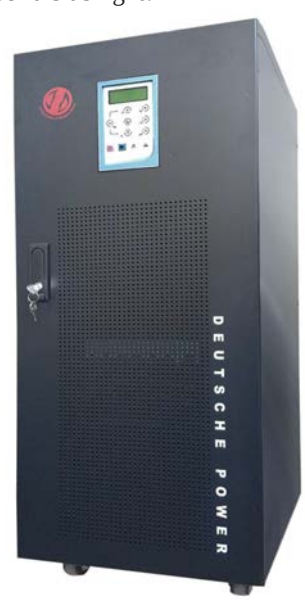
Elektra Series On-Line Double Conversion Industrail Grade UPS. It is a collection of digital, informational & network uses one of high intelligent microprocessor control technology intended in particular for users of critical systems that require reliability and high performance at the same time (telecommunications equipment, critical industrial applications, etc.). Visual display and state monitroing interface, make each user operate simplu and conveniently.

Elektra uses technology which delivers a perfect sinusoidal output current and provides effective protection of critical devices. Elektra Series UPS's provides an upgraded power factor reaching 0.9 for single phase systems, therefore offer higher performance and improved efficiency for vital applications.

UPS status can be monitored at a glance on an intuitive LCD screen. Elektra Series offer redundant and capacity parallel UPSs, the right solution for all applications requiring a perfect and uninterrupted power supply.

ECO FRIENDLY

This is a green product that comply with the products pollution control management measures, the product under normal use, will not harm the environment and personals using it.



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Compatible With Generators

Input voltage and frequency range is wide so can effectively works on generator sets and thus provide pure, safe and stable power.

Parallel Configuration

N+X is currently the most reliable power supply structure. N represents the minimum required UPS number that the total load needs; X represents the redundant UPS number. The bigger the X is, the higher reliability of the power system is. For occasions where reliability is highly required, N+X is the optimal mode up to 3 of them can be connected in parallel to support output power sharing and power redundancy.

DSP Digital Control Technology

DSP advanced digital control technology UPS, increases performance, stability, quality and reliability

Strong Protection for load

Built-in isolation transformer, strong anti-interference ability, provide more comprehensive protection.

Wide Input Voltage & Frequency Range

Wide input voltage range upto : 304~456Vac, avoid frequently switching to battery mode, which adapt to the areas with harsh environment.
Wide input frequency range, ensure all types of fuel generators connected work stable.

Powerful Extensibility Features

Smart slot provides rich scalable features, USB can be selected, AS400 card, SNMP card, RS485 card and environmental monitoring card.

Active Input Power Factor Correction (Pfc)

With digital control of active power factor correction technology, enables high input power factor 0.99 above as to avoid contamination of electrical network environment, saving energy and reducing system costs.

Application

Elektra range provide a combination of outstanding protection features and flexibility, making it the right choice for applications demanding optimum reliability and energy efficiency. It systems such as servers, networking devices, workstations, storage systems and a long list of other IT equipment find the right protection element in Elektra, especially, when combined with Elektra powerful Connectivity suite.

VolP equipment, railway control systems, medical laboratory instrumentation, and many other industrial applications may also benefit from the consistent and high quality power provided by the Elektra, thanks to the robustness, precision and high efficiency provided.

Network Management Design

Through RS232 interface and intelligent monitor software to communicate with the computer, and the various permeates of UPS clear display on the communication interface.

External SNMP adapter, UPS with remote network management capabilities, providing real time UPS date and power information through a variety of network operating system for communication and management.

Key Features

Pure online double conversion technology, to provide the best quality of power supply.
Suitable for all kinds of loads, and high overload capacity.
Super wide range of output voltage anti-interference, adapt to harsh environment in power network.
Intelligent battery management, extending the battery life.
Large LCD display English and many other languages, and Friendly human-machine interface.

Standards

Safety:
IEC/EN62040-1; IEC/EN60950-1; IEC/EN62040-2:
IEC61000-4-2; EC61000-4-3; IEC61000-4-4;
IEC61000-4-5; IEC61000-4-6; IEC61000-4-8;

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TECHNICAL SPECIFICATION FOR THREE PHASE IN & SINGLE PHASE OUT

MODEL	ES 1031	ES 1531	ES 2031	ES 2531	ES 3031	ES 4031
RANGE	10KV/9KW	15KV/13.5KW	20KV/18KW	25KV/22.5KW	30KV/27KW	40KV/36KW
INPUT						
Principal of working	True On-line, Double Conversion, Static Bypass Switch, Output with transformer					
Phase	Three Phase + N + PE					
Voltage	380Vac(±20%)					
Power Factor	>0.97 (with filter)					
Frequency	50/60Hz±5%					
Soft Start	0-100% 5 Secs					
OUTPUT						
Phase	Single Phase + N + G					
Voltage	220Vac(±0.5%) / 230Vac(±0.5%)					
Frequency	50/60Hz(±5%)					
Crest Factor	3:1 (max)					
Efficiency	>90%					
Harmonic Distortion (THD)	<1.5%(linear load)					
BATTERY						
Battery Voltage	192 VDC				240 VDC	
SYSTEM FEATURES						
Transfer Time	0ms (Line mode - Battery mode)					
Overload	>125% : 1min, >150%:200ms					
Communication interface	RS232, SNMP (optional), Dry Contact (optional)					
ENVIROMENTAL						
Opration Temperature	0~40C					
Stroage Temperature	-25C~55C					
Humidity Range	0~95%(non-condensing)					
Altitude	<1500m					
Noise Level	<55db					
Dimention / Weight						
Dimention D x W x H (mm)						
Net Weight (Kg)	585 X 305 X 864	798X 2409X 71044		741 x 555 x 1200		800 x 600 x 1200
STANDRADS	132	200	236	311	323	380
Safety	IEC/EN62040-1;IEC/EN60950-1					
EMC	IEC/EN62040-2:IEC61000-4-2;IEC61000-4-3;IEC61000-4-4; IEC61000-4-5;IEC61000-4-6;IEC61000-4-8					

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