



# ELENTRA SC SERIES

ONLINE & DOUBLE CONVERSION PURE SINEWAVE UPS

1KVA ~ 8KVA (1/1)

RACKMOUNT AND TOWER

 Mission Critical &  
Networking UPS

# ONLINE DOUBLE CONVERSION PURE SINEWAVE UPS

DP Electronics (Deutsche Power Co., Limited)



## ELENTRA SC Series 1KVA TO 6KVA

UPS Built FOR Extreme Environment with Dual AC & DC OUTPUT Especially for Surveillance and Network Monitoring.

### Elentra SC Series (1KVA~8KVA)

Deutsche Power ELENTRA SC Series s SC Serie s outdoor ups designed for extreme demanding environment with AC & DC Output especially for Surveillance and networking environment and easy Front Access for better and efficient working.

Built-In AVR Function with Surge Arrestor Installed it helps the load to protect itself from Sags and surges. The Ups also offers DC output 12V and 48V for Surveillance Equipment's along with Built-In SNMP for networking monitoring from remote location. Equipped with Dry Contact Card the up s is capable to provide programmable signals for event alarms and open close door intimation.

Capability to be connected with Deutsche Power Netmate Centralized Networking many ups at different location can be monitor at one location make it be st UPS t o be use d for security, communication, traffic, surveillance and other mission critical Loads. The UPS also ha ve the ability to be c onnected to LIFEP04 Ba tteries makes it an superior Cla ss Product among its League.



# ONLINE DOUBLE CONVERSION PURE SINEWAVE UPS

## Smart NMS Connect

The ups is E quipped with SNMP ,T emperature Sensor and Dry Contact to communicate ups on LAN & WAN .

## Advanced Battery Management

ELENTRA SC Serie s has the abi lity to enhance battery charging amperes from 5A~20A through software the maximum recharge time for depleted is 8 hours, no matter how many battery packs are installed on a UPS.

## Network Grade Power Conditioning

Automated voltage regulation(AVR), noise filtering and surge protection

## Extended Runtime Capability

ELENTRA SC Series protect critical devices through extended blackouts. The uti lizes external battery pack that can be dais y-chained in unlimit ed quantities to provide a virtual unlimited amount of battery run time.

## Multiple Outputs

ELENTRA SC Series has 2 Kinds of Output

- AC 220
- DC 12V & 48V

## LCD

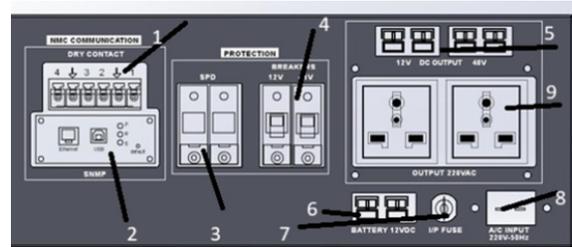
ELENTRA SC Series has LCD in its front panel for easily viewing of different feature directly from the UPS LCD. This LCD displays input / output voltages, input/output frequency, battery capacity , faults and many others feature can be view.

## Standards

Security : CH0054132-2 000, Conductive Disturbance: GB9254 1998/EN55022 CLASS B Video Frequency Disturbance: GB9254 1998/EN55022 CLASS A ,I E C/EN62040-1:2008+A1:2013

## Sinewave Output

ELENTRA SC Series is a online & line in teractive UPS which provides pure sinewave at the output. Due to its sinewave output high critic al server and other sophisticated



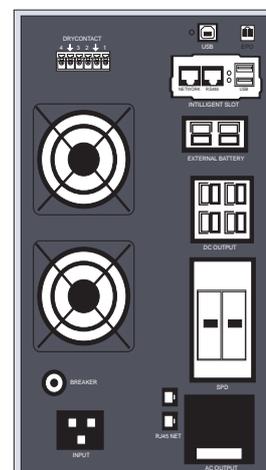
1. DRY Contact Card
2. SNMP
3. SPD (Surge Arrestor)
4. DC Breaker for 12&48 DC Output
5. DC Output (12VDC & 48VDC)
6. Battery Connector
7. Fuse Protection
8. AC Input
9. AC Output

## UPS Network Management Cards for remote management and control

### Brief Introduction

The Simple Network Management Protocol (SNMP) was created to allow simple information communication over computer networks. SNMP is a s tandard protocol that is part of the T ransmission Control Protocol/Internet Protocol (TCP/IP) compatible with Internet and Intranet networks.

Netmate Deutsche Power SNMP serie s bring a high security monitoring level for uninterrupted power supply(UPS). With design of a po werful CPU, Netmate supports USB add-on devices, RS485 add-on (Temp & Humid) and advanced encrypted protocols such as HTTP, HTTPS, SSH, SSL, IPV6, SNMP V3, etc



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## Advantages

**Data Logging:** Can view data logs to analyze the operating environment and status of devices.

**Compatibility:** Compatible with Google, Firefox, IE and other browsers on the market.

**Event Recording:** Record the occurrence time and cause of an alarm. Plan tests and switch on and off machine

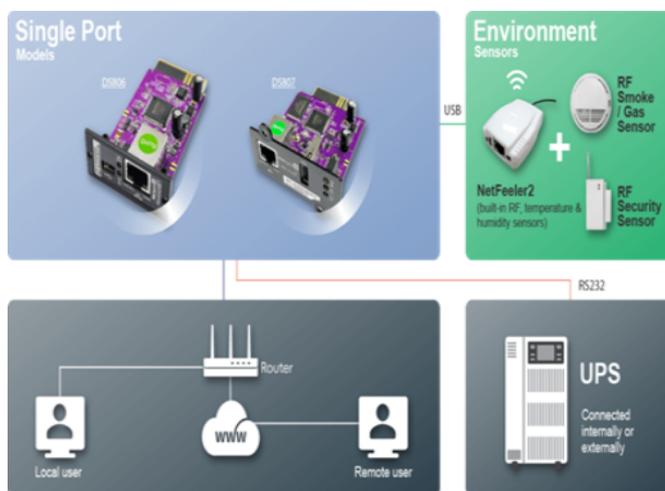
**Discharge test the UPS:** Remote Device Management :can view and manage the UPS over the network

**Warning notice:** When an alarm occurs, you can send an email

## Extended Runtime Capability

ELENTRA SC Series protect critical devices through extended blackouts. The utilizes external battery pack that can be daisy-chained in unlimited quantities to provide a virtual unlimited amount of battery run time.

## Multiple Outputs



## LCD

ELENTRA SC Series has LCD in its front panel for easily viewing of different feature directly from the UPS LCD. This LCD displays input/output voltages, input/output frequency, battery capacity, faults and many others feature can be view.

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Video Frequency Disturbance: GB9254 1998/EN55022 CLASS A ,  
IEC/EN62040-1:2008+A1:2013

## Sinewave Output

ELENTRA SC Series is a line interactive UPS which provides pure sinewave at the output. Due to its sinewave output high critical server and other sophisticated

## Function & Feature

- Support advanced encryption protocol such as HTTP, HTTPS, SSL, SSH, SNMPV1/V2c/V3;
- Support telnet, super terminal, WEB page configuration;
- Support to add on 2 Temp&Humid sensors via RS422/RS485 ports;
- Support SNMP trap, E-mail alarm notification;
- Support IPV4/IPV6;
- Support scheduled task, remote control UPS self-testing, switch on/off, battery regular charge/discharge;
- Support 50000 history event handle(including event record and notification);
- Comprehensive managing function(data logs, SNTP and task schedule);
- Support IPV4/IPV6;
- Available to work with centralized software.

## UPS for Security & Surveillance

### How UPS Systems Contribute to Security

UPS power backup for cctv and security camera system. Security forms of all businesses, whether is for preventing unauthorized access or for supporting CCTV and intruder alarms.

Whilst the latter is non-critical, if there is a loss of power, the repercussions can have a significant negative impact. It is therefore important to have reliable backup power provisions in place.

### Continuous Power Supply

Security systems rely on continuous power to function effectively. In the event of a power outage or fluctuations, UPS systems ensure uninterrupted power supply, preventing any downtime in surveillance cameras, alarms, access control systems, and other security devices.

### Peace of Mind

Ultimately, having a UPS system in place provides peace of mind for security professionals and building occupants. Knowing that critical security components remain operational during power disturbances or outages instills confidence in the effectiveness of the security

# ONLINE DOUBLE CONVERSION PURE SINEWAVE UPS

## SPECIFICATION

MODEL	EN-010-SC	EN-015-SC	EN-020-SC	EN-030-SC	EN-050-SC	EN-060-SC	EN-080-SC
Rating VA	1000	1500	2000	3000	5000	6000	8000
<b>INPUT</b>	Online Double Conversion Pure Sinewave						
Input system	Single Phase + Neutral + Ground						
Rated Voltage	200 / 208 / 220 / 230 / 240VAC						
Voltage Range	110VAC~300VAC			120VAC~285VAC			
Frequency	40~70Hz						
Power Factor	0.9 / UNITY						
Voltage Range Bypass	175~290VAC ±15%						
<b>OUTPUT</b>							
Output system	Single Phase & Earth ground			Single Phase + Natural + Ground			
Rated Voltage	200 / 208 / 220 / 230 / 240VAC, DC12V & 48V (400W EACH)						
Power Factor	1.0						
Voltage Precision	±1%						
Frequency Normal	1. The output frequency synchronizes with the input frequency when the input frequency is in the range of 47~53Hz or 57~63 Hz						
Frequency Battery	50 / 60 ± 0.1%						
Overload Capacity	105%~110%:UPS transfer to bypass after 10 minutes when the utility is normal 110%~130%:UPS transfer to bypass after 5 minutes when the utility is normal 130%~150%:UPS transfer to bypass after 1 minutes when the utility is normal >150%:UPS transfer to bypass immediately when the utility is normal						
Transfer Time	0ms (Normal mode<----->Battery mode), <4ms (Normal mode <-----> Bypass mode)						
Crest Factor	3:1						
<b>BATTERY</b>							
Voltage	24/36VDC	24/36VDC	48/72VDC	72/96VDC	192/240VDC		
Typical Recharge Time	3~6 hours recover to 90% capacity						
Charging Amperes	1A /2A ~ 12A Auto Sensing L						
<b>GENERAL</b>							
Short Circuit/Battery Low	System Freezes / Alarm and Switched Off						
Over Heat	Line Mode: Switch to bypass. Backup Mode: Shut down UPS immediately						
EPO	Shut Down Immediately						
Ambient Temp.	-5°C~55°C						
Humidity	20%~90% (No condensation)						
Altitude	Lower than 1000m: no detracting: Over 1000m 1% detracting for every 100m rise						
Storage Temp.	-15°C~55°C						
Noise Level	<40dBA						
Communication Interface	Rs232, USB, (SNMP, Parallel card, Relay card and RJ45 are optional) MODBUS (optional)						
Protection	Over voltage / Low voltage, input circuit breaker Short Circuit						
Audible & Visual Alarm	Line Failure, Battery low, Over Load, System Fault						
<b>STANDARDS</b>							
Safety	IEC/EN62040-1, IEC/EN60950-1						
EMC	IEC/EN62040-2, IEC6100-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8						
Efficiency	88~93% (AC Mode)----85 ~ 90% (Battery Mode) 94~96% (Eco-mode)						
EMI Filter	Filter Included						
Surge Capacity	600 Joules						
Harmonic DistortionTHDi	<3% (100% Linear load)						
Harmonic DistortionTHDv	<2% THD(Linear load) ~ <4% THD (NON Linear load)						
<b>DIMENSION UPS</b>							
Size WxHxD	144x400x215		191x468x337	465x190x318	220x481x876 with battery bank		
Weight	10.5		11	16	18		
Input Output Socket	IEC/Universal				Hardwire		

DP Electronics (Deutsche Power Co. Limited) has a policy of continuous product development and improvement and therefore reserve the right to vary any information without prior notice.

\*\*Parallel Units Are With Output PF=0.9



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