

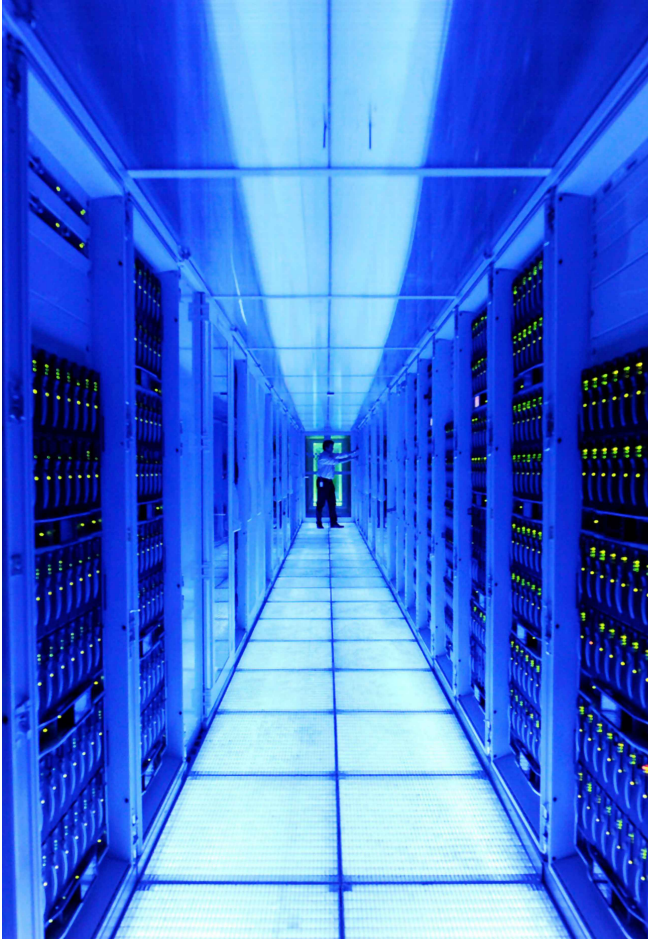


ELENTRA SERIES

LINE INTERACTIVE PURE SINE WAVE UPS
1KVA ~ 10KVA (1/1)

**Mission Critical &
I.T & Domestic UPS**
(Extended & Short Autonomy Version).

LINE INTERACTIVE SINE WAVE UPS



ELENTRA Series (1kVA~8kVA)

Single Solution for All Domestic and IT Applications
(Standard & Extended autonomy with sinewave)

ELENTRA Series is a unique one with respect to its features and standards. A Line-Interactive UPS with Sine Wave output and able to run on extended autonomy makes this series distinct from others. ELENTRA Series has the ability to work with all kind of loads from domestic appliances to branded Servers without interruption.

Sinewave Output

ELENTRA Series is a line interactive UPS which provides pure sinewave at the output. Due to its sinewave output high critical server and other sophisticated equipments can be connected without any fear.

Technology

ELENTRA Series uses line interactive technology to provide a basic level of protection. This topology includes a transformer in series between the utility power source and the load, enabling the UPS to “interact” with the mains.

Extended Runtime Capability

ELENTRA Series comes with standard (internal battery) and to protect critical devices through extended blackouts, the ELENTRA Series utilizes external battery pack that can be daisy-chained in unlimited quantities to provide a virtual unlimited amount of battery run time.

Fast Battery Recharge

ELENTRA Series has the ability 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.

LCD

ELENTRA 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 : CH0054132-2000,
Conductive Disturbance: GB9254 1998/EN55022 CLASS B
Video Frequency Disturbance: GB9254 1998/EN55022 CLASS A

Application

Domestic Applications, Work Stations, Servers, Motorized Load, Hubs, Routers, Network stations, Gateways, PABX

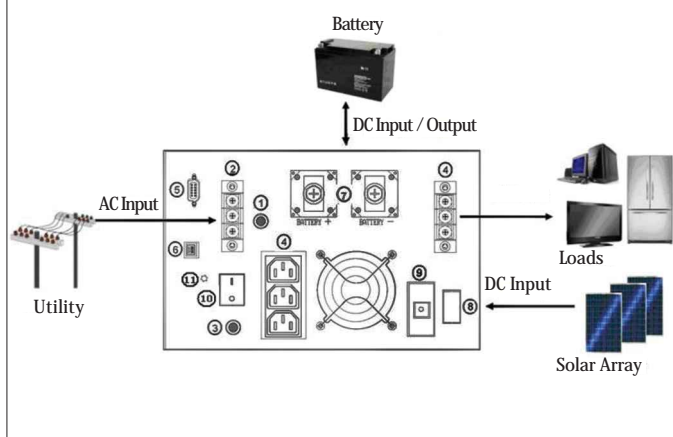


LINE INTERACTIVE SINE WAVE UPS



ELENTRA Series GREEN Technology

Connection concept:



Green Mode with outstanding performance & reliability.

Elentra Series are equipped with GREEN MODE factor. The UPS can be used with PV (Solar) by converting it into GREEN MODE function. The GREEN MODE UPS is also equipped with charge controller & convert into almost 0Amp. no load current for better efficiency. The details of elentra in green mode function and solar charge controller are as follows.

Capacity	Green Mode	Without Green Mode
1000VA	<1mA	2.5A/12VDC
1500VA	<1mA	2.9A/12VDC
2000VA	<0.5mA	1.9A/24VDC
3000VA	<0.5mA	2.6A/48VDC
5000VA	<0.5mA	2.3A/48VDC
6000VA	<0.5mA	2.3A/48VDC
8000VA	<0.5mA	2.3A/48VDC

Solar Charger Optional

Rating voltage	12V / 24V / 36V / 48V
DC Input Range	12V model : 12 ~ 21Vdc
	24V model : 24 ~ 42Vdc
	36V model : 36 ~ 63Vdc
	48V model : 48 ~ 84Vdc
Charging Method	Constant voltage with current limiting by PWM control
Charging Voltage	12V model : 13.5Vdc
	24V model : 27.4Vdc
	36V model : 40.5Vdc
	48V model : 54.0Vdc
Power Rating	12V model : 500W (13.5Vdc @ 37A)
	24V model : 1000W (27.0Vdc @ 37A)
	36V model : 1000W (40.5Vdc @ 25A)
	48V model : 1000W (54.0Vdc @ 18.5A)
Protection	DC input polarity protection, DC input short circuit protection (when battery is connected), DC output over current protection

TECHNICAL SPECIFICATION FOR ELENTRA SERIES

MODEL	EN01	EN1.5	EN02	EN03	EN05	EN06	EN08
RatingVA/W	1000/600	1500/800	2000/1100	3000/1800	5000/3000	6000/3500	8000/4000
INPUT							
Nominal Voltage	200V/220V/230V/240V Selectable						
Input Frequency	47Hz ~ 65Hz, 50/60Hz auto-sensing						
Efficiency	97%						
Noise Filtering	Full time EMI/RFI filtering						
Voltage Range	140~310V						
AVR Range	Enhanced Buck: +28% of selected nominal voltage ,Buck mode: +10% of selected nominal voltage, Boost mode: -10% of selected nominal voltage ,Enhanced Boost: -25% of selected nominal voltage.						
Surge Protection	1000VA / 1500VA :220 Joules 1600VA ~ 4000VA:440 Joules						
OUTPUT							
Output Voltage	200V/220V/230V/240V Selectable						
Voltage Waveform	Pure Sine wave						
Crest Factor	3:1						
Output Frequency	Auto Select for 50/60Hz, 47Hz ~ 55Hz for 50Hz nominal,56Hz ~ 65Hz for 60Hz nominal						
Regulation (Nominal)	±10% typical of nominal voltage						
Transfer time	1ms typical						
BATTERY							
VDC [Extended Version] [Short backup]	12	12/24	12/24	48	48	48/96	96
	1 x 18 Ah	3x7Ah	3x9Ah	3x12Ah	4x12Ah	4x18Ah	16x7Ah
Charging method	Smart pulse charging with two charging modes?Quick charging mode:14V maximum. Trickle charging mode:13.5V (adjustable with the remote set-up software)						
GENERAL							
Protection	Over current protection & Over charging voltage protection (SCR control). Thermal protection (CPU control) When temperature inside the unit is over 45C, charger will stop charging for 2 minutes followed by 2 minutes charging. The cycle will be repeated until the temperature is lower than 44C.						
Communication	RJ45 (Surge protection), DB9, SNMP (external type)						
ENVIRONMENT							
Operating Temperature.	Up to 1500 meters:0° to 40° (32° to 104°)						
Transit/storage Temp.	-15° to 55° (5° to 131°)						
Relative Humidity	5 - 95% non condensing						
Operating Altitude	0 ~ 3000 Meters						

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