

## LINE INTERACTIVE UPS - AT SERIES

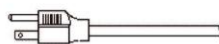
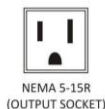
Product Name : AT600 to AT1500

### KEY FEATURES

- \* Wide Input Voltage Range
- \* With AVR Functions Boost and Buck
- \* With protection for short circuit
- \* With audible alarm function
- \* With Surge and Lightning protection
- \* LCD Panel (Optional)
- \* Automatic Battery charging when power resumes
- \* With Cold Start / DC Start function
- \* RJ11/RJ45 (Optional)



TECHNICAL SPECIFICATIONS					
MODEL	AT600	AT650	AT1000	AT1200	AT1500
CAPACITY : VA/ Watts	600VA / 360W	650VA / 390W	1000VA / 600W	1200VA / 720W	1500VA / 900W
<b>INPUT</b>					
Voltage Range	160-280 VAC				
Frequency Range	60 ± 2.5HZ				
Connections	Inserted Plug (Nema 5-15P)				
<b>OUTPUT</b>					
Voltage Range	220VAC ± 10% (Battery Mode)				
Frequency Range	60HZ ± 6HZ (Battery Mode)				
Transfer Time	<10 Ms				
Waveform	Modified Sine wave (Battery Mode)				
Output Connections	4 * NEMA 5-15R				
<b>BATTERY</b>					
Type	Maintenance Free Valve Regulated Lead Acid (VRLA) Battery				
DC Voltage	12VDC		24VDC		
Back up Time	20-25 minutes (1PC + 15 inch LED)		30-60 minutes (1PC + 15 inch LED)		
Recharge time	After fully discharged, recharge for 10Hours to 90% capacity				
<b>PROTECTIONS</b>					
Battery Low Voltage	Automatically shutdown the equipment as to protect the battery from fully discharged				
Short Circuit	FUUSE				
Restart	Auto Restart when AC recovery				
<b>AUDIBLE ALARM</b>					
Battery Back Up	Sounding every 4 seconds				
Battery Low	Sounding every 1 seconds				
<b>PANEL DISPLAY</b>					
LED	Normal, Charge, Back -Up				
<b>PRODUCT SIZE</b>					
L*W*H (mm) / piece	348*104*150		354*125*190		
<b>PRODUCT WEIGHT</b>					
Kg / piece	5.8kg		10Kg		



## N SERIES ONLINE UPS - STANDARD

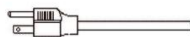
Product Name : N-C1K to N-C3K

### KEY FEATURES

- \* Online Double conversion UPS
- \* Single Phase, Input & Output
- \* Fully digitized microprocessor control
- \* Wide input voltage range
- \* Advance PFC Technology
- \* With self-test functions
- \* With Battery Management
- \* Automatic Battery charging when power resumes
- \* With Lightning and Surge protection
- \* With short circuit and overload protection



TECHNICAL SPECIFICATIONS			
MODEL	N-C1K	N-C2K	N-C3K
CAPACITY : VA/ Watts	1KVA / 0.9KW	2KVA / 1.8KW	3KVA / 2.7KW
<b>INPUT</b>			
Normal Voltage Range	220VAC, 1PH		
Voltage Range	160V - 280VAC		
Frequency Range	60Hz + -3Hz		
<b>OUTPUT</b>			
Voltage Regulation	220VAC +-2%(AC Mode); 220VAC+/-1%(DC Mode)		
Frequency Range	60Hz +-0.5% (@Battery mode)		
Configurable to	220 / 230 / 240 VAC		
Waveform	Pure Sine Wave		
Transfer Time between AC to DC mode	0 ms		
Transfer Time between AC to bypass mode	4 ms		
T.H.D (Full Load) for linear Load	<3%		<4%
T.H.D (Full Load) for Non- linear Load	<6% □		<7%
Overloading	>110% 30s turn to Bypass Mode;>300ms turn to Bypass Mode		
Load Peak Ratio	3:1 (max)		
<b>BATTERY</b>			
Type	Maintenance Free Valve Regulated Lead Acid (VRLA) Battery		
<b>PANEL DISPLAY</b>			
LCD	Input and Output VAC & HZ, Battery Rate (%), Load Percentage		
LED	Line / Bypass / Inverter / Load Percentage / Fault		
<b>AUDIBLE ALARM</b>			
Battery Mode	Beeping every 4 seconds (re-settable) every second when battery low		
Overload	Beeping twice every second		
Fault	Beeping Continuously		
<b>COMMUNICATION</b>			
Rs232	with monitoring software		
<b>WORKING ENVIRONMENT</b>			
Working Temperature	- 20 ~ 40		
Humidity	0-95% non condensing		
<b>ACTUAL SIZE</b>			
W*D*H (mm)	405*145*220		470*193*341
W*D*H (mm)	505-485*345(2PC per Box)		605*350*505
<b>PACKAGE WEIGHT</b>			
(Kg)	15Kg		33Kg



## N SERIES ONLINE UPS - LONG BACK UP TYPE

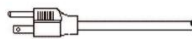
Product Name : N-C1KS to N-C3KS

### KEY FEATURES

- \* Online Double conversion UPS
- \* Single Phase, Output Power Factor 0.8PF
- \* Fully digitized microprocessor control
- \* Wide input voltage range
- \* Advance PFC Technology
- \* With self-test function
- \* With Battery Management
- \* Automatic Battery charging when power resumes
- \* With Lightning and Surge protection
- \* With short circuit and overload protection
- \* LCD Panel Display
- \* USB Interface (Optional)
- \* SNMP Card (Optional)



TECHNICAL SPECIFICATIONS			
MODEL	N-C1KS	N-C2KS	N-C3KS
CAPACITY : VA/ Watts	1KVA / 0.8KW	2KVA / 1.6KW	3KVA / 2.4KW
<b>INPUT</b>			
Normal Voltage Range	220VAC		
Voltage Range	160-280VAC		
Frequency Range	60Hz +3Hz		
<b>OUTPUT</b>			
Voltage Regulation	220VAC +2%		
Frequency Range	60Hz +0.5% (@Battery mode)		
Configurable to	220 / 230 / 240VAC		
Waveform	Pure Sine Wave		
Transfer Time between AC to DC mode	0 ms		
Transfer Time between AC to bypass mode	4 ms		
T.H.D (Full Load) for linear Load	<3%	< 4%	<4%
T.H.D (Full Load) for Non- linear Load	<6%	<7%	<7%
Overloading	>110% 30s turn to bypass mode; >300ms turn to Bypass Mode		
Load Peak Ratio	3:1 (max)		
<b>BATTERY</b>			
Type	Maintenance Free Valve Regulated Lead Acid (VRLA) Battery		
<b>PANEL DISPLAY</b>			
LCD	Load Percentage / Battery Percentage / Input & Output Voltage and Frequency		
LED	Line / Bypass / Inverter / Load Percentage / Fault		
<b>AUDIBLE ALARM</b>			
Battery Mode	Beeping evry 4 seconds (re-settable) every second when battery low		
Overload	Beeping twice every second		
Fault	Beeping Continuously		
<b>COMMUNICATION</b>			
Rs232	with monitoring software		
<b>WORKING ENVIRONMENT</b>			
Surge Protection	RJ45 I/O port available for network or Fax/Modem		
Working Temperature	- 20 ~ 40		
Humidity	0-95% non condensing		
<b>ACTUAL SIZE</b>			
W*D*H (mm)	405*145*220	470*193*341	470*193*341
W*D*H (mm)	495*240*330	600*322*480	600*322*480
<b>PRODUCT WEIGHT</b>			
Kg /	9Kg	15.5kg	15.5kg



## N SERIES ONLINE UPS -STANDARD TYPE

Product Name : N-C6K to N-C20K

### KEY FEATURES

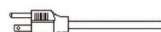
- \* Online Double conversion UPS
- \* Single Phase, Output Power Factor 0.9PF
- \* Fully digitized microprocessor control
- \* Wide input voltage range
- \* Advance PFC Technology
- \* With self-test function
- \* Advance Battery Management
- \* Automatic Battery charging when power resumes
- \* With Lightning and Surge protection
- \* With short circuit and overload protection
- \* With battery voltage and local capacity display
- \* Battery autonomy time
- \* SNMP Card (Optional)
- \* Maintenance Bypass Switch (Optional)
- \* Output Isolation Transformer (Optional)
- \* EPO (Optional)
- \* N+X Parallel Design up to 6 units (Optional)



TECHNICAL SPECIFICATIONS				
MODEL	N-C6K	N-C10K	N-C15K	N-C20K
CAPACITY : VA/ Watts	6KVA / 5400W	10KVA/9000W	15KVA/13500W	20KVA/18000W
<b>INPUT</b>				
Normal Voltage Range	220VAC			
Voltage Range	160-280VAC			
Frequency Range	60Hz $\pm$ 3Hz			
Power Factor	>0.9(@full load)			
	Support generator input (Generator rating must be twice as UPS Capacity)			
<b>OUTPUT</b>				
Voltage Regulation	220VAC $\pm$ 1%			
Frequency Range	60Hz $\pm$ 0.5% (@Battery mode)			
Configurable to	220 / 230 / 240VAC			
Waveform	Pure Sine Wave			
Transfer Time	0 ms			
Distortion (Full Load) for linear Load	<3%			
Distortion Load) for Non- linear Load	<5%			
Overload Protection	105% ~ 125%. 1 min then transfer to bypass and alarm, 125%~150% 30s then transfer to, bypass and alarm, 1min then cut off output >150%, 0.5s then transfer to bypass and alarm			
Load Peak Ratio	3:1 (max)			
<b>BATTERY</b>				
Type	Maintenance Free Valve Regulated Lead Acid (VRLA) Battery			
Recharge Time	7Hours to 90% Capacity			
<b>PANEL DISPLAY</b>				
LCD	Input and output VAC & HZ, Battery Rate (%), Load Percentage			
LED	Line / Bypass / Inverter / Load Percentage / Fault			
<b>AUDIBLE ALARM</b>				
Battery Mode	Beeping every 4 seconds (re-settable) every second when battery low			
Overload	Beeping twice every second			
UPS Fault	Beeping Continuously			
Battery low/Charge Fault	Beeping every 1 second			
Bypass Mode	Beeping every 2 minutes			
L and N reverse	Beeping every 2 minutes			
<b>COMMUNICATION</b>				
Rs232	with monitoring software			
<b>WORKING ENVIRONMENT</b>				
Surge Protection	RJ45 I/O port available for networl or Fax/Modem			
Working Temperature	- 20 ~ 40			
Humidity	0-95% non condensing			
<b>PRODUCT SIZE</b>				
W*D*H (mm)	556*260*723		560*260*820	
<b>PACKAGE SIZE</b>				
W*D*H (mm)	700*430*980			
<b>PRODUCT WEIGHT</b>				
N. Weight (kg)	57Kg	67.5kg	35Kg	
Gross Weight Kg /	71Kg	77.5kg	45kg	



NEMA 5-15R  
(OUTPUT SOCKET)



NEMA 5-15P  
(INPUT POWER CABLE)

## N SERIES ONLINE UPS - LONG BACK UP TYPE

Product Name : N-C6KS to N-C20KS

### KEY FEATURES

- \* Online Double conversion UPS
- \* Single Phase, Output Power Factor 0.8PF
- \* Fully digitized microprocessor control
- \* Wide input voltage range
- \* Advance PFC Technology
- \* With self-test function
- \* Advance Battery Management
- \* Automatic Battery charging when power resumes
- \* With Lightning and Surge protection
- \* With short circuit and overload protection
- \* with battery voltage and local capacity display
- \* USB Optional
- \* SNMP Card (Optional)
- \* Maintenance Bypass Switch (Optional)
- \* Output Isolation Transformer (Optional)
- \* EPO (Optional)
- \* N+X (Optional)



TECHNICAL SPECIFICATIONS				
MODEL	N-C6KS	N-C10KS	N-C15KS	N-C20KS
CAPACITY : VA/ Watts	6KVA / 4800W	10KVA/8000W	15KVA/12000W	20KVA/16000W
<b>INPUT</b>				
Normal Voltage Range	220VAC			
Voltage Range	160-280VAC			
Frequency Range	60Hz $\pm$ 3Hz			
Generator	Support generator input (Generator rating must be twice as UPS Capacity)			
<b>OUTPUT</b>				
Voltage Regulation	220VAC $\pm$ 1%			
Frequency Range	60Hz $\pm$ 0.1% (@Battery mode)			
Configurable to	220 / 230 / 240VAC			
Waveform	Pure Sine Wave			
Transfer Time	0 ms			
Distortion (Full Load) for linear Load	<3%			
Distortion Load) for Non- linear Load	<5%			
Overload Protection	105% ~ 125%. 1 min then transfer to bypass and alarm, 125%~150% 30s then transfer to bypass and alarm			
Load Peak Ratio	3:1 (max)			
<b>BATTERY</b>				
Type	Maintenance Free Valve Regulated Lead Acid (VRLA) Battery			
Battery Voltage	240 VDC			
<b>PANEL DISPLAY</b>				
LCD	Input and output VAC & HZ, Battery Rate (%), Load Percentage			
<b>AUDIBLE ALARM</b>				
Battery Mode	Beeping every 4 seconds (re-settable) every second when battery low			
Overload	Beeping twice every second			
UPS Fault	Beeping Continuously			
<b>COMMUNICATION</b>				
Rs232	with monitoring software			
<b>WORKING ENVIRONMENT</b>				
Surge Protection	RJ45 I/O port available for networl or Fax/Modem			
Working Temperature	- 20 ~ 40			
Humidity	0-95% non condensing			
<b>PRODUCT SIZE</b>				
W*D*H (mm)	710*440-860			
<b>PACKAGE SIZE</b>				
W*D*H (mm)	710-440-960			
<b>PRODUCT WEIGHT</b>				
Gross Weight Kg /	93/44	101/48	65kg	

## RACK MOUNTED ONLINE UPS - STANDARD / LONG BACK UP TYPE

**Product Name : RC1K/RC1KS to RC3K/RC3KS**

### KEY FEATURES

- \* Rack Mounted High Frequency Double Conversion Online UPS
- \* Single Phase, Output Power Factor 0.9/ 0.8PF
- \* Fully digitized microprocessor control
- \* Wide input voltage range
- \* Advance PFC Technology
- \* With self-test function
- \* Advance Battery Management
- \* Automatic Battery charging in UPS off mode
- \* With Lightning and Surge protection
- \* With short circuit and overload protection
- \* Smart RS232 communication with monitoring software
- \* LCD Display, SNMP Card, USB Communication(Optional)



		TECHNICAL SPECIFICATIONS					
ITEM	MODEL	RC1K	RC1KS	RC2K	RC2KS	RC3K	RC3KS
CAPACITY : VA/ Watts	VA/ Watts	1KVA/0.9KW	1KVA/0.8KW	2KVA/1.8KW	2KVA/1.6KW	3KVA/2.7KW	3KVA/2.4KW
INPUT	Normal Voltage Range	220VAC /110VAC					
	220V Voltage Range	a) (110±5~300±5) VAC when load at 0-60%					
		b)(120±5~300±5) VAC when load at 60-70%					
		c)(140±5~300±5) VAC when load at 70-80%					
		d) (160±5~300±5) VAC when load at80-100%					
Power factor	0.97						
Frequency Range	Normal 50HZ/60HZ±4, 40~60HZ(set by winpower)						
OUTPUT	Voltage range	220/110VAC +- 2%					
	Frequency Range	50HZ/60HZ+-0.2 (Battery Mode)					
	Wave form	Pure Sine wave					
	Transfer Time	0 ms (AC mode and battery mode)					
		Transfer time : 4ms (typical 2.5ms), AC mode and bypass mode					
	Distortion (Full load) Linear Load	<3%	<3%	<4%	<4%	<4%	<4%
	Distortion (Full load) Non Linear Load	<6%	<6%	<7%	<7%	<7%	<7%
	Overload Capacity	>108% 30s turn to bypass mode; >150%, 300ms turn to bypass					
	Load peak ratio	3:1 max					
BATTERY	Type	Maintenance free valve regulated lead acid (VRLA) battery					
	Back up time	>3Mins	DEPENDS ON BATTERY CAPACITY (AH)	>5Mins	DEPENDS ON BATTERY CAPACITY (AH)	>3Mins	DEPENDS ON BATTERY CAPACITY (AH)
	Recharge time	90% Capacity after 5 hrs charging		90% Capacity after 5 hrs charging	BATTERY CAPACITY (AH)	90% Capacity after 5 hrs charging	BATTERY CAPACITY (AH)
Bypass	Automatic while overload or ups fail						
Display	LED	Load level/ Battery level/ Battery mode/ Line mode / Inverter, Bypass, Overload, Fault					
LCD	Option	BAT % VDC, Input VAC HZ, Output VAC HZ, Load%					
AUDIBLE ALARM	Battery Mode	Beeping every 4 seconds (re-settable and every second when battery low					
	Overload	Beeping twice every second					
	Fault	Beeping continuously					
Communication	RS232 Interface, with monitoring software, USB option, SNMP Net Agent Option						
Surge Protection	RJ-45 I/O port available for network or Fax/Modem						
ENVIRONMENT	Working temperature	- 20 ~40					
	Humidity	0-90% non condensing					
UPS PRODUCT SIZE	W x D x H (mm)	483 x 450 x 88 (2U)					
UPS CTN SIZE	W x D x H (mm)	605 x 610 x 270					
UPS CTN WEIGHT	Kg/Pcs	20/1PC	15/1PC	18/1PC	18.2/1PC	19/1PC	19.2/1PC
BP PRODUCT SIZE	W x D x H (mm)	483 x 450 x 88 (2U)					
BP CTN SIZE	W x D x H (mm)	605 x 610 x 270					
BP CTN SIZE WEIGHT	Kg/Pcs	Included UPS	N/A	30.5/1PC	N/A	35/1PC	N/A

## RACK MOUNTED ONLINE UPS - STANDARD / LONG BACK UP TYPE

Product Name : RC6K/RC6KS to RC10K/RC10KS

### KEY FEATURES

- \* Rack Mounted High Frequency Double Conversion Online UPS
- \* Single Phase, 0.9/ 0.8PF
- \* Fully digitized microprocessor control, Zero Transfer Time
- \* Wide input voltage range and Advance PFC Technology
- \* self-test when UPS start up
- \* Advance Battery Management
- \* Automatic Battery charging in UPS off mode
- \* With Lightning and Surge protection
- \* Battery Voltage and Load Capacity display
- \* Smart RS232 communication with monitoring software
- \* LCD Display, EPO, ECO, USB communication (Optional)
- \* N+X parallel design (optional)
- \* SNMP (Optional)



TECHNICAL SPECIFICATIONS					
ITEM	MODEL	RC6K	RC6KS	RC10K	RC10KS
CAPACITY : VA/ Watts	VA/ Watts	6KVA/5.4KW	6KVA/4.8KW	10KVA/9KW	10KVA/8KW
INPUT	Normal Voltage Range	220VAC,L+N+G			
	Input Voltage Range	160V-280+-5V			
	Frequency Range	50/60±10%			
	Input Power Voltage	>0.99(220VAC, full R load)			
	Frequency Range	50HZ/60HZ+-0.2 (Battery Mode)			
	Generator	Support Generator input (Generator rating > 2*UPS rating)			
OUTPUT	Voltage Range	220V+-1%			
	Frequency Range	60HZ+-1%(Battery Mode)			
	Wave Form	Pure Sine Wave			
	Transfer Time	0 Ms			
	Distortion Linear Load	< 3%			
	Distortion NonLinear Load	< 5%			
	Overload Capacity	105% ~ 125%,1min then transfer to bypass and alarm. 125%~150% 30s then transfer to bypass and alarm, 1min then cut off output. >150%, 0.5s then transfer to bypass and alarm			
Load Peak Ratio	3:1 (max)				
BATTERY	Type	Maintenance free valve regulated acid (VRLA) battery			
	Back up Time	5 Mins	DEPENDS ON BATTERY CAPACITY	3 Mins	DEPENDS ON BATTERY CAPACITY
	Recharge Time	8 hours to 90% capacity		8 hours to 90% capacity	
PANEL	LED	Load level /Battery level / Battery Mode / Line Mode / Inverter/ Bypass/ Overload / Fault			
	LCD	BAT VDC and 1%, input VAC and HZ, out VAC and HZ, Load W and %, Temp, Fault Code			
AUDIBLE ALARM	Battery Mode	Beeping Every 4 seconds (re-settable)and every second when battery			
	Overload	Beeping twice every second			
	UPS Fault	Beeping continuously			
	Battery low/Charger Fault	Beeping every 1 second			
	Bypass mode	Beeping every 2 min			
	L/N inverse	Beeping every 2 min			
COMMUNICATION	RS-232 Interface	With monitoring software, USB (optional)			
WORKING ENVIRONMENT	Working Temperature	-20 ~40			
	Humidity	0-95% non- condensing			
UPS	Product Size WxDxH (mm)	483 x 600 x 132(3U)		483 x 600 x 132 (3U)	
	Package Size WxDxH (mm)	795 x 560 x 330		795 x 590 x 330	
	Gross Weight	27	28.5	35	37
BATTERY	Product Size WxDxH (mm)	483 x 600x 132 (3U)	N/A	483 x 600 x 132 (3U)	N/A
	Package Size WxDxH (mm)	795 x 560 x 330	N/A	795 x 590 x 330	N/A
	Gross Weight	74	N/A	74	N/A

## RACK TOWER ONLINE UPS - STANDARD / LONG BACK UP TYPE

**Product Name : RT1K/RT1KS to RT3K/RT3KS**

**KEY FEATURES**

- \* Rack /Tower High Frequency Double Conversion Online UPS
- \* Single Phase, Output Power Factor 0.9/ 0.8PF
- \* Fully digitized microprocessor control
- \* Wide input voltage range
- \* Advance PFC Technology
- \* With self-test function
- \* Advance Battery Management
- \* Automatic Battery charging in UPS off mode
- \* With Lightning and Surge protection
- \* With short circuit and overload protection
- \* Smart RS232 communication with monitoring software
- \* LCD Display, SNMP Card, USB Communication (Optional)



TECHNICAL SPECIFICATIONS							
ITEM	MODEL	RT1K	RT1KS	RT2K	RT2KS	RT3K	RT3KS
CAPACITY : VA/ Watts	VA/ Watts	1KVA/0.9KW	1KVA/0.8KW	2KVA/1.8KW	2KVA/1.6KW	3KVA/2.7KW	3KVA/2.4KW
<b>INPUT</b>	Normal Voltage Range	220VAC /110VAC					
	220V Voltage Range	a) (110±5~300±5) VAC when load at 0-60%					
		b)(120±5~300±5) VAC when load at 60-70%					
		c)(140±5~300±5) VAC when load at 70-80%					
		d) (160±5~300±5) VAC when load at80-100%					
Power factor	0.97						
Frequency Range	Normal 50HZ/60HZ±4, 40~60Hz(set by winpower)						
<b>OUTPUT</b>	Voltage range	220/110VAC +- 2%					
	Frequency Range	50HZ/60HZ+- 0.2 (Battery Mode)					
	Wave form	Pure Sine wave					
	Transfer Time	0 ms (AC mode and battery mode)					
		Transfer time : 4ms (typical 2.5ms), AC mode and bypass mode					
	Distortion (Full load) Linear Load	<3%	<3%	<4%	<4%	<4%	<4%
	Distortion (Full load) Non Linear Load	<6%	<6%	<7%	<7%	<7%	<7%
	Overload Capacity	>108% 30s turn to bypass mode; >150%, 300ms turn to bypass					
	Load peak ratio	3:1 max					
<b>BATTERY</b>	Type	Maintenance free valve regulated lead acid (VRLA) battery					
	Back up time	>3Mins	DEPENDS ON BATTERY CAPACITY (AH)	>5Mins	DEPENDS ON BATTERY CAPACITY (AH)	>3Mins	DEPENDS ON BATTERY CAPACITY (AH)
	Recharge time	90% Capacity after 5 hrs charging	DEPENDS ON BATTERY CAPACITY (AH)	90% Capacity after 5 hrs charging	DEPENDS ON BATTERY CAPACITY (AH)	90% Capacity after 5 hrs charging	DEPENDS ON BATTERY CAPACITY (AH)
<b>Bypass</b>	Automatic while overload or ups fail						
<b>Display</b>	LED	Load level/ Battery level/ Battery mode/ Line mode / Inverter, Bypass, Overload, Fault					
<b>LCD</b>	Option	BAT % VDC, Input VAC HZ, Output VAC HZ, Load%					
<b>AUDIBLE ALARM</b>	Battery Mode	Beeping every 4 seconds (re-settable and every second when battery low					
	Overload	Beeping twice every second					
	Fault	Beeping continuously					
<b>Communication</b>	RS232 Interface, with monitoring software, USB option, SNMP Net Agent Option						
<b>Surge Protection</b>	RJ-45 I/O port available for network or Fax/Modem						
<b>ENVIRONMENT</b>	Working temperature	- 20 ~40					
	Humidity	0-90% non condensing					
<b>UPS PRODUCT SIZE</b>	W x D x H (mm)	483 x 450 x 88 (2U)					
<b>UPS CTN SIZE</b>	W x D x H (mm)	605 x 610 x 270					
<b>UPS CTN WEIGHT</b>	Kg/Pcs	20/1PCS	15/1PCS	18/1PCS	18.2/1PCS	19/1PCS	19.2/1PCS
<b>BP PRODUCT SIZE</b>	W x D x H (mm)	483 x 450 x 88 (2U)					
<b>BP CTN SIZE</b>	W x D x H (mm)	605 x 610 x 270					
<b>BP CTN SIZE WEIGHT</b>	Kg/Pcs	Included UPS	N/A	30.5/1PCS	N/A	35/1PCS	N/A



## LINE INTERACTIVE UPS - SMD SERIES

Product Name : SMD600 to SMD1500

### KEY FEATURES

- \* CPU Control, SMD Technology
- \* Boost and Buck AVR
- \* With protection for short circuit, overload and battery low voltage
- \* Intelligent battery management
- \* Auto Restart function when AC recovers
- \* Off charge / Cold start function
- \* USB port
- \* RJ11/RJ45 (Optional)
- \* LCD Display (Optional)



LED SMD DISPLAY

LCD SMD DISPLAY

TECHNICAL SPECIFICATIONS					
MODEL	SMD600	SMD650	SMD1000	SMD1200	SMD1500
CAPACITY : VA/ Watts	600VA / 360W	650VA / 390W	1000VA / 600W	1200VA / 720W	1500VA / 900W
<b>INPUT</b>					
Voltage Range	145-290+5 VAC				
Frequency Range	50/60HZ+5%(Auto Sensing)				
<b>OUTPUT</b>					
Voltage Range	220VAC ± 10% (Battery Mode)				
Waveform	Modified Sine wave (Battery Mode)				
Transfer Time	<10 Ms				
Frequency Range	50.0/60Hz+1.0Hz(Battery Mode)				
<b>BATTERY</b>					
Battery Protection	FUSE				
DC Voltage	12VDC	24VDC			
Back up Time	20-25 minutes (1PC + 15 inch LED)	30-60 minutes (1PC + 15 inch LED)			
<b>PROTECTIONS/DISPLAY/ALARMS</b>					
Protection	Over charge and over discharge, short Circuit, Overload				
Display	LED display for AC/DC mode and fault, LCD is option				
Alarm	Alarm while DC mode/Battery low/Overload/Battery Replacement				
<b>ENVIRONMENTAL CHARACTERISTICS</b>					
Ambiet Temperature	0 to 40 degree celcius				
Relative Humidity	0% to 90%				
Noise level	40dB(max)				
<b>PRODUCT SIZE</b>					
L*W*H (mm) / piece	305*85*140		324*100*153		
PCS/ CTN	4		2		
<b>PRODUCT WEIGHT</b>					
Kg / piece	22.8/CTN		22.8/CTN		