

NER PLUS[®]



▲ EP 3/1 10-20K COMBO

▲ EP 6-10K

HIGH PERFORMANCE TRUE DOUBLE CONVERSION ONLINE UPS

- DSP Control
- 0.9 Output Power Factor
- Wide Input Range
- High efficiency mode(ECO)
- Frequency Converter Mode
- Input THDi<5%
- Output Voltage Regulation <1%
- Output THDv<2%
- Fan speed control
- Extendable Run Time
- Dual input (for 3/1 10Kva/20Kva)
- Multiple Communication Ports
- Optional SNMP& Relay Cards
- N+X Parallel Redundancy
- Maintenance bypass
- Dot Matrix LCD Display



EP TOWER 6KVA~10KVA UPS Specification

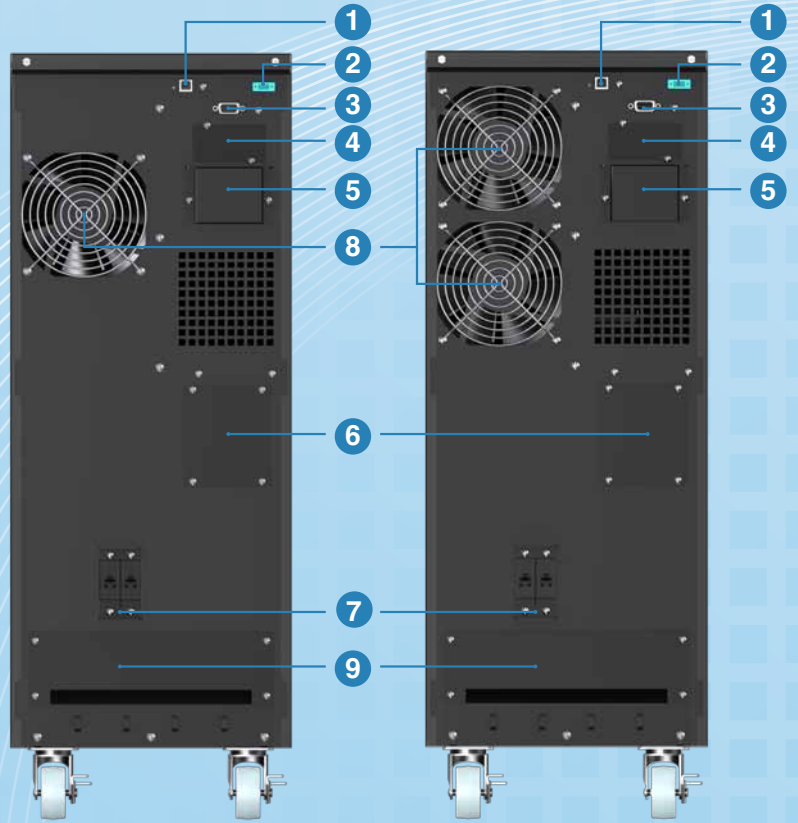
MODEL		EP 6K	EP 6KS	EP 10K	EP 10KS
CAPACITY	VAW	6KVA/5.4KW	6KVA/5.4KW	10KVA/9KW	10KVA/9KW
INPUT	Acceptable Input voltage	110VAC-276VAC			
	Adjustable Bypass voltage	110VAC-276VAC			
	Frequency Range	45-55Hz / 54-66Hz			
	Phase	Single Phase with Ground			
	THDi	< 5% with R Full Load			
	Power Factor	>0.99@R Full Load			
OUTPUT	Voltage	208VAC/220VAC/230VAC/240VAC			
	Voltage Regulation	< 1%			
	Frequency (Synchronized Range)	45-55Hz/54-66Hz			
	Frequency (BAT Mode)	50/60Hz±0.05Hz			
	Current Crest Ratio	3:1			
	Harmonic Distortion	≤ 2% @Linear Load			
		≤ 5% @Non-linear Load			
	Output Waveform	Pure Sine Wave			
	Overload Capacity	Line Mode	2min @105% ~ 125%		
		BAT Mode	30s @125%~150% 1s @>150%		
PARALLEL	UP to 4				
EFFICIENCY	Line Mode	>92%@Full Load and Battery Fully Charged			
	BAT Mode	>92%@Full Load and 12Vdc/Battery			
	ECO Mode	>96%@Full Load and Battery Fully Charged			
BATTERY	Number of Intenal Batteries Per Set	20pcs	Depend on The Capacity of External Batteries	20pcs	Depend on The Capacity of External Batteries
	Battery Type	12Vdc/7.2Ah		12Vdc/9Ah	
	Backup Time	>5minutes		>5minutes	
	Recharge Time	5h Charge to 90%		5h Charge to 90%	
	Charging Current (max)	1.2A	4.0A	1.2A	4.0A
	Rated Battery Voltage	240VDC			
TRANSFER TIME	LINE <--> BAT	0ms			
	INV <--> BYPASS	0ms			
	ECO--> INV	<10ms			
INDICATOR	LCD	Load Level/Battery Voltage/Battery Mode/AC Mode/Bypass Mode Information			
AUDIBLE ALARM	BAT Mode	Sounding Every Four Seconds			
	Low Battery	Sounding Every Second			
	UPS Fault	Continuously Sounding			
	Overload	Sounding Twice Every Second			
DIMENSION	Tower Case(WxHxL)mm	260 x 708 x 550			
ENVIRONMENT	Operation Environment	0-40°C			
	Relative Humidity	0 ~ 95% (No Condensing)			
	Noise Level	<50dB @ 1 meter			
INTERFACE	RS232/USB	Software Supports Windows Family , Linux , Sun Solaris , IBM Aix , Compaq True64 , SGI IRIX , FreeBSD , HP-UX , MAC			
	Intelligent Slot	SNMP/AS400/Relay Card			
	EPO	Emergency Power Off			



EP TOWER 3/1 10KVA~20KVA UPS Specification

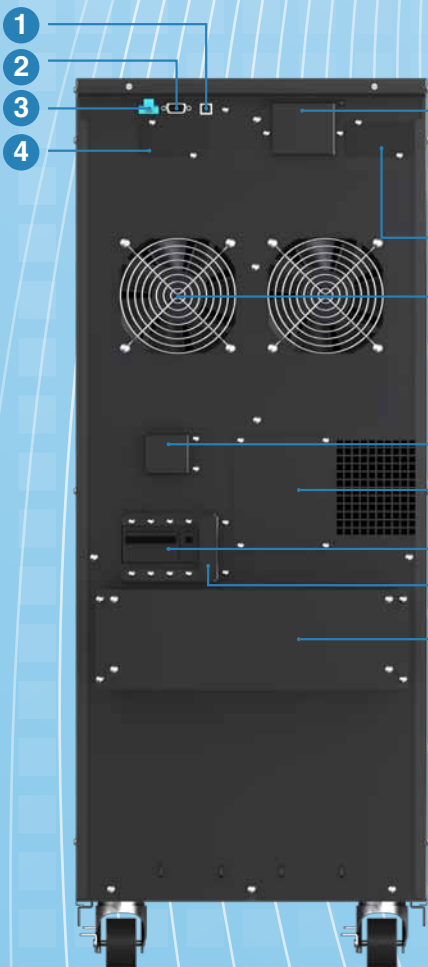
MODEL		EP 3/1 10K Combo	EP 3/1 20K Combo	
CAPACITY	VAV	10KVA/9KW	20KVA/18KW	
INPUT	Acceptable Input Voltage	110VAC-276VAC Depends on Load Level For Single Phase Input 190VAC-478VAC Depends on Load Level For Three Phase Input		
	Adjustable Bypass Voltage	110VAC-276VAC		
	Frequency Range	45-55Hz / 54-66Hz		
	Phase	Three Phase with Ground(Combo)		
	THDi	< 5% with R Full Load		
	Power Factor	>0.99@R Full Load		
	OUTPUT	Voltage	200VAC/208VAC/220VAC/230VAC/240VAC	
Voltage Regulation		< 1%		
Frequency (Synchronized Range)		45-55Hz/54-66Hz		
Frequency (BAT Mode)		50/60Hz±0.05Hz		
Current Crest Ratio		3:1		
Harmonic Distortion		≤ 2% @Linear Load		
		≤ 5% @Non-linear Load		
Output Waveform		Pure Sine Wave		
Overload Capacity		Line Mode	3min @100% ~ 110% 30s @110% ~ 130% 5s @130%~150%	5min @100% ~ 110% 1min @110% ~ 130% 10s @130%~150%
		BAT Mode	1s @>150%	2s @>150%
PARALLEL		UP to 4		
EFFICIENCY	Line Mode	>94% @Full Load and Battery Fully Charged		
	BAT Mode	>93% @Full Load and 12Vdc/Battery		
	ECO Mode	>98% @Full Load and Battery Fully Charged		
BATTERY	Number of Intenal Batteries Per Set	24pcs*1Group	24pcs*2Group	
	Battery Type	12Vdc/9Ah	12Vdc/9Ah	
	Backup Time	>5minutes	>5minutes	
	Recharge Time	3h Charge to 90%		
	Charging Current (Max)	2A(Expandable)	4A(Expandable)	
	Rated Battery Voltage	288VDC		
TRANSFER TIME	LINE <--> BAT	0ms		
	INV <--> BYPASS	0ms		
	ECO--> INV	<10ms		
INDICATOR	LCD	Load level/Battery Voltage/Battery Mode/AC Mode/Bypass Mode Information		
AUDIBLE ALARM	BAT Mode	Sounding Every Four Seconds		
	Low Battery	Sounding Every Second		
	UPS Fault	Continuously Sounding		
	Overload	Sounding Twice Every Second		
DIMENSION	Tower Case(WxHxL)mm	350 x 890 x 650		
ENVIRONMENT	Operation Environment	0-45°C		
	Relative Humidity	0 ~ 95% (No Condensing)		
	Noise Level	<55dB @ 1 Meter		
INTERFACE	RS232/USB	Software Supports Windows Family , Linux , Sun Solaris , IBM Aix , Compaq True64 , SGIIRIX , FreeBSD , HP-UX , MAC		
	Intelligent Slot	SNMP/AS400/Relay Card		
	EPO	Emergency Power Off		

- 6-10k**
1. USB Port
 2. EPO
 3. Dry Contact Port
 4. Intelligent Slot
 5. Parallel Port (Optional)
 6. Maintenance Switch
 7. Input Breaker
 8. Fan
 9. Terminal Block (Input/Output/Battery)

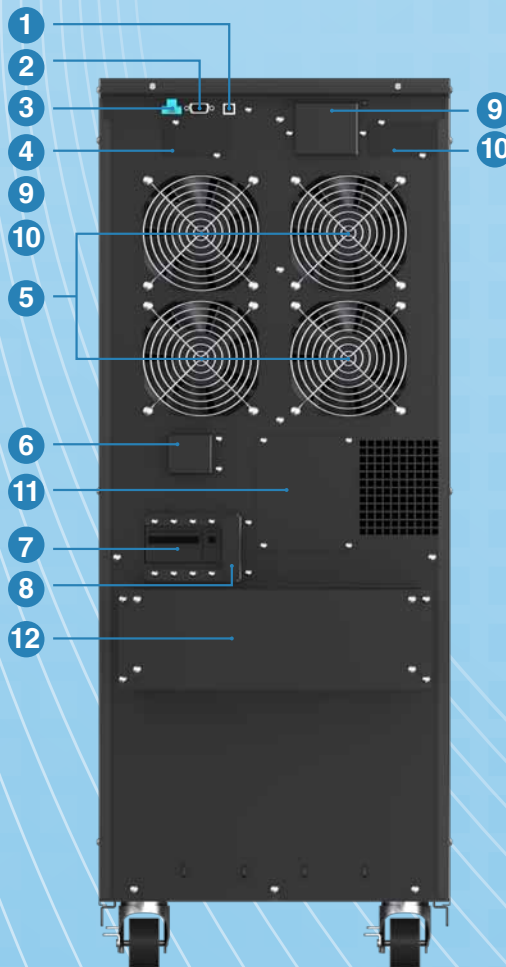


EP 6000(S)

EP 10K(S)



EP 3/1 10K COMBO



EP 3/1 20K COMBO

- 10-20k**
1. USB Port
 2. RS232 Port
 3. EPO
 4. AS400 Slot
 5. Fan
 6. Back Feed Connector
 7. Input Breaker
 8. Neutral Switch
 9. Parallel Port (Optional)
 10. Intelligent Slot
 11. Maintenance Switch
 12. Terminal Block (Input/Output/Battery)