



# EPS

6~10kVATower

1:1 phase PF:1.0 ( PF0.9, 0.8 Optiona)

## Features

- N+X parallel redundancy
- Online double conversion with DSP control
- Input current harmonic: <3%
- Optimization battery group, the quantity of battery:16/18/20 pieces(optional)
- High output power factor at 1.0
- Wide input voltage range: 120~276Vac
- Wide input frequency range
- Support generator input
- ECO mode operation for energy saving
- Self-testing when UPS startup
- Options: SNMP card/Relay card/ Parallel card
- Cold start



Colourful LCD



Gray LCD



Blue LCD

3 kinds of LCD can be selected



# Technical Specifications:

MODEL	EPS-6000-TOT		EPS-10000-TOT	
	6000VA / 5400W		10000VA / 9000W	
<b>INPUT</b>				
Nominal Voltage	220/230/240Vac			
Operating Voltage Range	120-276Vac			
Frequency Range	50Hz:45-55Hz; 60Hz:54-66Hz(auto sensing)			
Power Factor	≥0.99			
Bypass voltage range	Max.voltage: 220V: +25%(optional +10%,+15%,+20%) 230V: +20% (optional +10%,+15%) 240V: +15% (optional +10%) Min.voltage: -45% (optional -20%,-30%)			
Bypass frequency range	Frequency protection range: ± 10%			
ECO range	Same as the bypass			
Harmonic distortion (THDi)	<3%(100% linear load)			
Generator input	Support			
<b>OUTPUT</b>				
Output Voltage	220/230/240Vac			
Power Factor	1			
Voltage Regulation	± 1%			
Frequency	Line Mode	± 1%/ ± 2%/ ± 4%/ ± 5%/ ± 10% of the rated frequency(optional)		
	Bat. Mode	50/60(± 0.1)Hz		
Crest Factor	3:1			
Harmonic Distortion (THDv)	≤2% with linear load			
	≤5% with non-linear load			
Efficiency	>92%		>93%	
<b>BATTERY</b>				
Battery voltage	± 96/108/120Vdc ( optional )			
Capacity (standard unit)	12V-7Ah/9Ah			
Typical recharging time	6-8 hours (to 90% of full capacity)			
Charging current	1A(Standard unit); Long run unit Max.current 10A(charging current can be set according to battery capacity installed)			
<b>SYSTEM FEATURES</b>				
Transfer time	Mains to battery:0ms; Mains to bypass:0ms			
Overload	Line Mode	Load ≤ 110%: last 10min, ≤ 130%: last 1min, >130% turn to bypass mode immediately		
	Bypass Mode	40A(Breaker)		80A(Breaker)
Short circuit	Hold whole system			
Overheat	Line Mode: Turn to Bypass; Bat. Mode: Shut down UPS immediately			
Battery low	Alarm and switch off			
Self-diagnostics	Upon power on and software control			
Battery	Advanced battery management			
Audible & Visual alarms	Line failure, Battery low, Overload, System fault			
LED & LCD display	Line mode, Bat. mode, Eco mode, Bypass mode, Battery under voltage, Overload & UPS fault			
LCD display	Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time			
Communication interface	RS232,USB,SNMP card(optional), Parallel card(optional), Relay card (optional)			
<b>ENVIRONMENT</b>				
Operating temperature	0℃ - 40℃			
Storage temperature	-25℃ - 55℃			
Humidity range	0 - 95% (non-condensing)			
Altitude	< 1500m			
Noise level	<55dB			
<b>PHYSICAL</b>				
Dimension W × D × H (mm)	Standard model:191*460*720 ; long run model:191*405*330			
Net weight (kg)	Standard model:60kg ; long run model:11kg		Standard model:61kg ; long run model:12kg	
<b>STANDARDS</b>				
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			