

# EPS

## 6 ~ 10kVA Rackmount

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



### 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 0.9PF
- 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



Battery Cabinets.  
(Optional)



The LCD panel can  
be rotated



Colourful LCD



Gray LCD



Blue LCD

3 kinds of LCD can be selected



Parallel board



Relay card



SNMP

# Technical Specifications:

MODEL		EPS-6000-TOR	EPS-10000-TOR
Capacity (VA/Watts)		600VA / 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		>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 D × W × H (mm)		625 × 440 × 86.5	
Net weight (kg)		13	15
<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	