

- True double-conversion
- DSP technology guarantees high performance
- Output power factor 1 for 10K-80K
- Active power factor correction in all phases
- 50Hz/60Hz frequency converter mode
- ECO mode operation for energy saving (ECO)
- Emergency power off function (EPO)
- Generator compatible
- SNMP+USB+RS-232 multiple communications
- 3-stage extendable charging design for optimized battery performance
- Adjustable battery numbers for long-run model
- Maintenance bypass available
- Parallel operation with common battery
- Optional parallel operation
- Optional isolation transformer offers full isolation and complete common mode noise rejection



EPOS 3P/3P 30K-200K ONLINE UPS SELECTION GUIDE

MODEL	EPOS 10K(L)*	EPOS 15K(L)	EPOS 20K(L)*	EPOS 30K(L)*	EPOS 40K(L)	EPOS 60KL	EPOS 80KL	
PHASE	3-phase in/3-phase out							
CAPACITY	10kVA/10kW	15kVA/15kW	20kVA/20kW	30kVA / 30kW	40kVA / 40kW	60kVA / 60kW	80kVA / 80kW	
PARALLEL CAPABILITY	3							
INPUT								
Nominal Voltage	3 x 400 VAC (3Ph+N)							
Voltage Range	190-520 Vac (3-phase) @ 50% load 305-478 Vac (3-phase) @ 100% load							
Frequency Range	46-54 Hz or 56-64Hz							
Power Factor	≧ 0.99 @ 100% load							
OUTPUT								
Output Voltage	3 x 360*/380/400/415 Vac (3Ph+N)							
AC Voltage Regulation (Batt. Mode)	± 1%							
Frequency Range (Synchronized Range)	46-54Hz or 56-64Hz							
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz							
Current Crest Ratio	3:1 (max.)							
Harmonic Distortion	≧ 2 % THD (Linear Load) ≧ 5 % THD (Non-linear Load)							
Transfer Time	AC mode to Battery mode	zero						
	Inverter to Bypass	zero						
Waveform (Batt. Mode)	Pure Sine Wave							
Overload	AC Mode	100-110% for 60 min, 110-125% for 10 min, 125%~150% for 1 min; >150% immediately						
	Battery Mode	100-110% for 60 min, 110-125% for 10 min, 125%~150% for 1 min; >150% immediately						
EFFICIENCY								
AC Mode	95.5%							
ECO Mode	98.5%							
Battery Mode	94.5%							
BATTERY								
Standard Model	Battery Type	12V/9Ah	12V/9Ah	12V/9Ah	12V/7Ah	12V/9Ah	N/A	
	Numbers	(10+10)pcs	(16+16)pcs	(16+16)pcs	(16+16)pcs x 2 strings	(16+16)pcs x 2 strings		
	Typical Recharge Time	9 hours recover to 90% capacity						
	Charging Current (max.)	1A - 12A (Adjustable)						
	Charging Voltage	+/-136.5 VDC ± 10%	+/-218 Vdc ± 10%					
Long-run Model	Battery Type	Depending on the capacity of external batteries						
	Numbers	20 pcs	32-40 pcs (Adjustable)					
	Charging Current (max.)	1A - 12A (Adjustable)				2A - 24 A (Adjustable)		
	Charging Voltage	+/-136.5 VDC ± 10%	+/-13.65V*N (N=16-20)					
INDICATORS								
LCD Panel	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions							
PHYSICAL								
Standard Model	Dimension, D X W X H (mm)	630 x 250 x 826		815 x 300 x 1000		N/A		
	Net Weight (kgs)	124	139	225	250			
Long-run Model	Dimension, D X W X H (mm)	630 x 250 x 826		815 x 300 x 1000		790 x 360 x 1010		
	Net Weight (kgs)	28	43	60	67	108	113	
ENVIRONMENT								
Operation Temperature	0-40°C							
Operation Humidity	<95% and non-condensing							
Noise Level	Less than 55dB @ 1 Meter	Less than 58dB @ 1 Meter	Less than 65dB @ 1 Meter	Less than 70dB @ 1 Meter	Less than 75dB @ 1 Meter			
MANAGEMENT								
Smart RS-232/USB	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, Linux and MAC							
Optional SNMP	Power management from SNMP manager and web browser							

*When output voltage is set as 3 x 360VAC, the output power of the unit will be de-rated to 90%.

Product specifications are subject to change without further notice