

EPower

10-800KVA UPS

Pure Sinewave On-Line, 3:3 Phase



The EPower series of UPS is an online double conversion transformer based UPS. The EPower series is designed around a galvanic isolation transformer offering proven technology with supreme reliability on a wide and diverse range of loads. Perfected over the last 15 years the EPower series can offer varying run times and is perfect for any application that requires a high level of reliability including remote industrial sites.

Features

- Online Double Conversion
- Comprehensive LCD Status Panel with EPO
- Galvanic Isolation
- Multiple Communication Interfaces and Options
- N + X Parallel Redundancy
- Generator Optimised
- User Friendly Network Management



10-30kVA



60-80kVA



100-800kVA

Accessories

<p>SW007 Relay</p> 	<p>SW009 Battery Temperature Monitor</p> 	<p>SW015 SNMP</p> 	<p>External manual bypass</p> 	<p>PSS100 Long life battery 10 year design life</p> 
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Specifications

Model	EP10		EP20		EP30		EP40		EP60		EP80	
Capacity	10kVA/9kW		20kVA/18kW		30kVA/27kW		40kVA/36kW		60kVA/54kW		80kVA/72kW	
Model	EP100	EP120	EP160	EP200	EP300	EP400	EP500/12P	EP600/12P	EP800/12P			
Capacity	100kVA/90kW	120kVA/108kW	160kVA/144kW	200kVA/180kW	300kVA/270kW	400kVA/360kW	500kVA/450kW	600kVA/540kW	800kVA/720kW			
Input												
Voltage range	380V/400V/415V(-25%± 20%), (3Ph+N+PE)											
Frequency range	50/60Hz (±5Hz)											
Power factor	10-400kVA: ≥0.98 (with filter) ; 500-800kVA:≥0.85											
Output												
Output voltage	380V/400/415V (± 1%)											
Max. output current												
	152A	182A	243A	304A	456A	608A	760A	912A	1216A			
Output frequency	50/60Hz (± 0.05%)											
Harmonic distortion (THD)	10-80kVA: <3% (linear load); 100-800kVA:<2% (linear load)											
Crest factor	3:1 (Max.)											
Efficiency	89%		90%		91%			92%				
	>92%	>92%	>92%	>92.5%	>93%	>94%	>95%	>95%	>96%			
Bypass												
Rated voltage	380/400/415VAC											
Rated frequency	50/60 Hz(auto-sensing)											
Voltage protection range	Upper limit: +20% (+10%, +15%, +20% adjustable); Lower limit: -40%(-10%, -20%, -30%, -40% adjustable)											
Frequency protection range	±10%(±2.5%,±5%,±10%,±20% adjustable)											
Battery												
Battery voltage	10-400kVA:384VDC; 500-800kVA: 480VDC											
System Features												
Transfer time	0ms (Line mode <->Battery mode)											
Overload	110% / 60min, 125% / 10min, 150% /1min											
LED display	Input, Inverter, Bypass, Battery, Output, Status											
LCD display	I/O voltage, frequency, power, power factor, battery voltage, current, battery status, load percentage, UPS status, history record, settings											
Communication interface	Dry contact, RS232, RS485, SNMP card (optional)											
Optional	Harmonic filter, SNMP adapter, battery temperature sensor, Bypass current-sharing inductor											
Environmental												
Operating	0 - 40°C, 0 - 95% Non-condensing											
Altitude	<1500m											
Storage temperature	-25°C - 55°C											
Noise Level	< 65dB						< 70dB					
Weight & Dimensions												
Net Weight(kg)	215		242		298		336		485		554	
Dimension (W*D*H)	570 x 800 x 1200mm								880 x 760 x 1600mm			
Net Weight(kg)	798	926	1192	1370	1730	1980	3510	3950	4950			
Dimension (W*D*H)	1160x805x1600mm		1400x945x1900mm		1635x1040x1900mm		2580x1000x1900mm	2800x1040x1900mm	3280x1040x1900mm			
Standards												
Safety	IEC/EN62040, IEC/EN60950-1											
EMC	IEC/EN62040-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC61000-4-6,IEC61000-4-8											

Specifications are subject to change without prior notice