ComX Computers
Product Specification Sheet

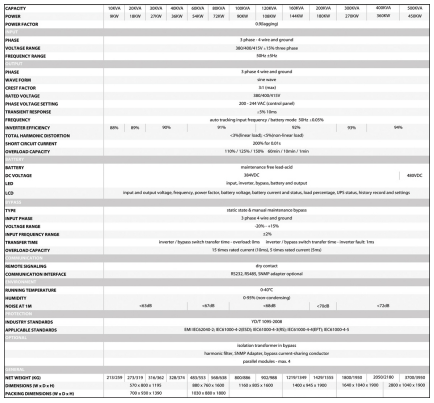
EP20

PSS E-POWER 20KVA Online (3phase in / 3phase out) True Online Double Conversion UPS with no batteries

Product Overview

PSS E-POWER 20KVA Online (3phase in / 3phase out) True Online Double Conversion UPS, Transformer-based, No Batteries, Pure Sine wave output, 0.9 Power Factor (lagging), Modular capabilities, Double CPU control, Static bypass, Manual maintenance bypass, Wide input voltage range, LCD with control panel, Advanced battery management, Parallel redundant - up to 4 modules, Self diagnosis, Full protection against surges / dips / overcharge / overload, 384VDC Battery DC Voltage, 88% efficient





CAPACITY	10KVA	20KVA	30KVA	40KVA	60KVA	80KVA	100KVA	120KVA	160KVA	200KVA	300KVA	400KVA	500KVA
POWER	9KW	18KW	27KW	36KW	54KW	72KW	90KW	108KW	144KW	180KW	270KW	360KW	450KW
POWER FACTOR	0.9(lagging)												
PHASE	3 phase - 4 wire and ground												
VOLTAGE RANGE	380/400/415V + 15% three phase												
FREQUENCY RANGE	50Hz ±5%												
PHASE	3 phase 4 wire and ground												
WAVE FORM	sine wave												
CREST FACTOR	3:1 (max)												
RATED VOLTAGE	380/400/415V												
PHASE VOLTAGE SETTING	200 - 240 VAC (control panel)												
TRANSIENT RESPONSE	<5% 10ms												
FREQUENCY	auto tracking input frequency / battery mode: 50Hz ±0.05%												
INVERTER EFFICIENCY	88%	89%	90%	91%				92%			93%	94%	
TOTAL HARMONIC DISTORTION	<2%(linear load); <5%(non-linear load)												
SHORT CIRCUIT CURRENT	200% for 0.01s												
OVERLOAD CAPACITY	110% / 125% / 150% 60min / 10min / 1min												
BATTERY	maintenance free lead-acid												
DC VOLTAGE	384VDC												480VDC
LED	input, inverter, bypass, battery and output												
LCD	input and output voltage, frequency, power factor, battery voltage, battery current and status, load percentage, UPS status, history record and settings												
TYPE	static state & manual maintenance bypass												
INPUT PHASE	3 phase 4 wire and ground												
VOLTAGE RANGE	-20% ~ +15%												
INPUT FREQUENCY RANGE	±2%												
TRANSFER TIME	inverter / bypass switch transfer time - overload: 0ms inverter / bypass switch transfer time - inverter fault: 1ms												
OVERLOAD CAPACITY	15 times rated current (10ms), 5 times rated current (5ms)												
REMOTE SIGNALING	dry contact												
COMMUNICATION INTERFACE	RS232, RS485, SNMP adapter optional												
RUNNING TEMPERATURE	0-40°C												
HUMIDITY	0-95% (non-condensing)												
NOISE AT 1M	<65dB		<67dB		<68dB		<70dB		<72dB				
INDUSTRY STANDARDS	YD/T 1095-2008												
APPLICABLE STANDARDS	EMI IEC62040-2; IEC61000-4-2(ESD), IEC61000-4-3(RS), IEC61000-4-4(EFT), IEC61000-4-5												
	isolation transformer in bypass												
	harmonic filter, SNMP Adapter, bypass current-sharing contactor												
	parallel modules - max. 4												
NET WEIGHT (KG)	210/239	273/319	316/362	328/374	483/553	568/638	800/886	992/988	1219/1349	1429/1593	1808/1950	2050/2180	3700/3950
DIMENSIONS (W x D x H)	570 x 800 x 1195				880 x 760 x 1600		1160 x 805 x 1800		1400 x 845 x 1980		1640 x 1040 x 1950		2800 x 1040 x 1900
PACKING DIMENSIONS (W x D x H)	700 x 939 x 1390				1030 x 890 x 1880								

Specifications

Overview:

INTRODUCTION
The EP Series offers the ultimate power protection. It incorporates double conversion technology and parallel redundancy and is built to meet the specifications required with fail safe intelligence. Recommended for large computer environments where being on-line permanently is critical.

APPLICATION
Medium-Large Computer Data Centres, Industrial Processes and Other Mission Critical Equipment

Features:

- Double conversion on-line technology
- Modular capabilities
- Double CPU control
- Static bypass
- Manual maintenance bypass
- Wide input voltage range
- LCD with control panel
- Advanced battery management
- Parallel redundant, up to 4 modules
- Self diagnosis
- Full protection against surges, dips, overcharge, overload

Specifications:

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Specifications	
Product Code	EP20
Technology	True Online Double Conversion UPS - Transformer-based
Size	20KVA
Input/output Voltage	400V/400V
Design	Tower
Power Factor	0.9
Battery	Internal or external
Software	Intelligent

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/EP20-PSS-E-POWER-20KVA-Online-3phase-in-3phase-out-True-Online-Double-Conversion-p-170119.php

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