

### EPXi Series 10-120 KVA 3:3 Phase PF:0.9



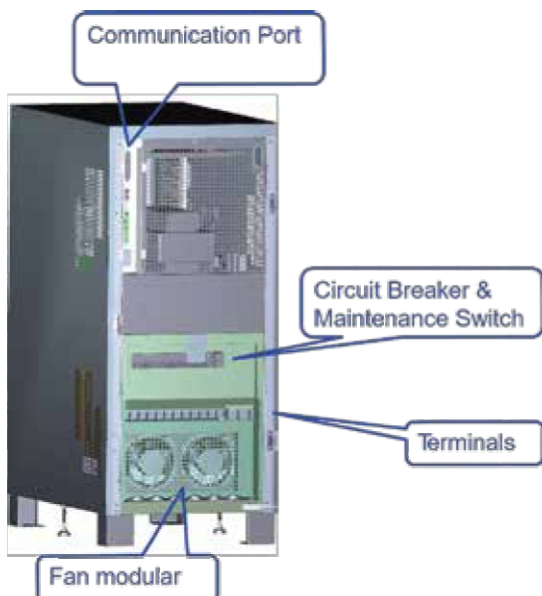
#### Package & Accessory



Software CD      User manual      USB & RS232 cables

SNMP Web Card

Modbus Card



### Features:

- Online double-conversion
- DSP technology guarantees high reliability
- True galvanic isolation transformer design
- Control designed to withstand all kinds of loads
- Intelligent battery management to prolong battery lifecycle
- Redundant fan design and independent ventilation enhance durable operation under harsh environment
- Adjustable battery numbers
- Accept dual-mains input
- Parallel operation N+1 Units
- Variety of communication options available

# EPXi Series (10-120 KVA)

## ▶ Technical Specifications

MODEL	EPXi 10K	EPXi 15K	EPXi 20K	EPXi 30K	EPXi 40K	EPXi 60K	EPXi 80K	EPXi 100K	EPXi 120K
CAPACITY	10KVA/9KW	15KVA/13.5KW	20KVA/18KW	30KVA/27KW	40KVA/36KW	60KVA/54KW	80KVA/72KW	100KVA/90KW	120KVA/108KW
<b>INPUT</b>									
Nominal Voltage	3 x 380VAC/400VAC/415VAC (3Ph + N)								
Acceptable Voltage Range	285VAC ~ 475VAC								
Frequency	50/60 Hz ± 10 %								
<b>OUTPUT</b>									
Nominal Voltage	3 x 380VAC/400VAC/415VAC (3Ph + N)								
Precision	Stationary: ±1% Transitory: ±5% (load variations 100-0-100%)								
Frequency	50/60 Hz synchronised ±1 % With mains absent ±0.1 Hz								
Max. Synchronisation Speed	±1 Hz/s								
Waveform	Pure Sinewave								
Total Harmonic Distortion (THDv)	<2% (Linear Load) <5% (Non-linear Load)								
Phase Displacement	120° ±1% (balanced load) 120° ±2% (imbalances 50% of the load)								
Dynamic Recovery Time	3 cycles at 90 % of the static value								
Admissible Overload	110% for 60min; 125% for 10min; 150% for 1min; >160% for 200ms								
Admissible Crest Factor	3:1								
Admissible Power Factor	0.6~1 (inductive or capacitive)								
Imbalance Output Voltage @ 100% Unbalanced Load	<1%								
Current Limit	High overload, short-circuit: RMS Voltage Limit High Crest-Factor current: Peak Voltage Limit								
<b>STATIC BYPASS</b>									
Type	Solid state								
Voltage	3 x 380VAC/400VAC/415VAC (3Ph + N)								
Frequency	50/60 Hz								
Activation Criterion	Microprocessor control								
Transfer Time	Zero								
Admissible Overload	150% for 1 hour; 180% for 30sec; >200% for 200ms								
Transfer to Bypass	Immediate, for overloads above 160%								
Retransfer	Automatic after alarm clear								
<b>MAINTENANCE BYPASS</b>									
Type	Without interruption								
Voltage	3 x 400V (3Ph + N)								
Frequency	50/60 Hz								
Overall Efficiency	Line Mode	91.5%	91.5%	92.5%	93.5%	94.5%	94.5%	94.5%	94.5%
	Battery Mode	91.5%	91.5%	92.5%	94.5%	94.5%	94.5%	94.5%	94.5%
<b>BATTERY &amp; CHARGER</b>									
Battery Type and Numbers	12VDC x 32 pcs (29~32 pcs adjustable)								
Nominal Battery Voltage	384 VDC (Based on 32pcs batteries)								
Charging Method	CC/CV								
Charging Current	Default 10A, Max. = Capacity / Battery Voltage				Default: 10A. Max. 40A				
Charging Voltage	432 VDC (Based on 32pcs batteries)								
<b>SYSTEM FEATURES</b>									
Communication Interface	RS 232 Inbuilt; Dry Contact, RS 485, SNMP Modbus(Optional)								
LED Indications	Bypass, Mains, Battery and Fault								
LCD Display	Input Voltage & Freq.; Output Voltage, Current, KVA, KW, Total Power, PF, Load % Per Phase, Load % Total & Freq.; Bypass Voltage & Freq.; Inverter Voltage & Freq.; Battery Voltage, DC Bus Voltage, Charging Current, Discharging Current, Temperature.								
<b>ENVIRONMENTAL</b>									
Operating Temperature	0°C ~ 40°C								
Storage Temperature	-25°C ~ 70°C								
Relative Humidity	0 ~ 95%								
Altitude	Up to 1000 Mtr.								
Noise Level	≤ 60 dB								
<b>STANDARDS</b>									
EMC/Safety	IEC/EN 62040-1; IEC/EN 60950-1; IEC/EN 62040-2-3								
<b>PHYSICAL</b>									
Dimensions, D x W x H(mm)	656 x 405 x 817			656 x 415 x 941	821 x 432 x 1159		975 x 554 x 1286		975 x 635 x 1326
Net Weight (Kgs)	118	120	145	193	278	365	471	573	650

\* Product specifications are subject to change without further notice

## PERPETUAL POWER

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