



Online UPS 3Phase Out

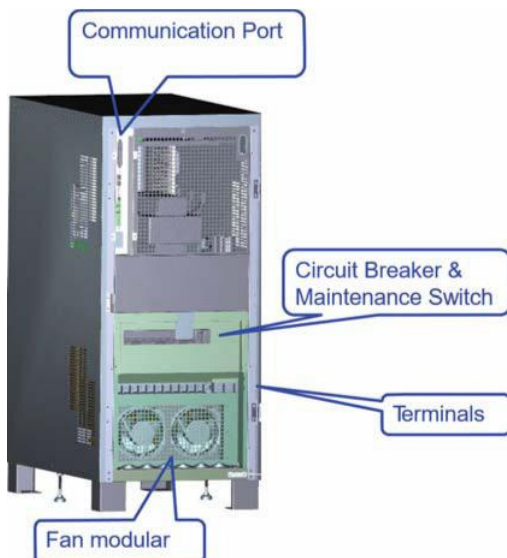
ePower+ Series 10~120 KVA 3:3 Phase PF: 0.9



Features:

- ¾ Online double-conversion
- ¾ DSP technology guarantees high reliability
- ¾ True galvanic isolation transformer design
- ¾ Control designed to withstand all kinds of loads
- ¾ Intelligent battery management to prolong battery lifecycle
- ¾ Redundant fan design and independent ventilation enhance durable operation under harsh environment
- ¾ Adjustable battery numbers
- ¾ Accept dual-mains input
- ¾ Parallel operation with up to 4 units (option)
- ¾ Variety of communication options available
- ¾ SNMP/Modbus compatible

LCD Display



ePower+ Series(10~120 KVA)

Technical Specifications

MODEL	ePower+ 10K	ePower+ 15K	ePower+ 20K	ePower+ 30K	ePower+ 40K	ePower+ 60K	ePower+ 80K	ePower+ 100K	ePower+ 120K	
CAPACITY	10KVA/9KW	15KVA/13.5KW	20KVA/18KW	30KVA/27KW	40KVA/36KW	60KVA/54KW	80KVA/72KW	100KVA/90KW	120KVA/108KW	
INPUT										
Nominal Voltage	3 x 380VAC/400VAC/415VAC (3Ph + N)									
Acceptable Voltage Range	285VAC ~ 480VAC									
Frequency	50/60 Hz ± 10 %									
OUTPUT										
Nominal Voltage	3 x 380VAC/400VAC/415VAC (3Ph + N)									
Precision	Stationalary: ±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 station 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									
Overall Efficiency	Line Mode	91.5%	91.5%	92.5%	93.5%	93.5%	94.5%	94.5%	94.5%	
	Battery Mode	91.5%	91.5%	92.5%	94.5%	94.5%	94.5%	94.5%	94.5%	
STATIC BYPASS										
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									
MAINTENANCE BYPASS										
Type	Without interruption									
Voltage	3 x 400V (3Ph + N)									
Frequency	50/60 Hz									
BATTERY & CHARGER										
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)									
SYSTEM FEATURES										
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.									
ENVIRONMENTAL										
Operating Temperature	0°C ~ 45°C									
Storage Temperature	-25°C ~ 70°C									
Relative Humidity	0 ~ 95%									
Altitude	Up to 1000 Mtr.									
Noise Level	4 40 dB			4 45 dB			4 60 dB			
STANDARDS										
EMC/Safety	IEC/EN 62040-1; IEC/EN 60950-1; IEC/EN 62040-2-3									
PHYSICAL										
Dimensions, D x W x H(mm)	656 x 405 x 817			656 x 405 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



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