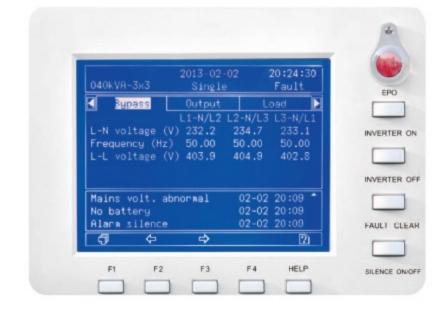




Premium Plus Series 10kVA - 80kVA

True On-Line Double Conversion Built-In Isolation Transformer



Features

■ Online double conversion

- Online Double Conversion design helps to output a pure sine wave ,which is immune from the UPS input, so that the load can run steadily.
- UPS transfers among different working mode without output interruption, thereby powering the load uninterruptedly.

■ Full DSP control

 Full DSP Control avoids the risks caused by analog devices failure and makes the control system more stable and reliable.

■ High power factor

- The output power factor up to 0.9 better matches the load.
- The input power factor 0.98 with filter helps to improve the efficiency, reduce the harmonic pollution to the Grid and lower the UPS running cost.

■ Wide input adaptability

- The range of AC input voltage is (380Va/ 400Vac/415Vac) (-25%/+20%), minimizing transfer to battery mode, thereby greatly prolonging the battery life.
- Wide input frequency ranging from 45Hz to 65Hz, ensures stability of UPS while generator connected.

■ N+X parallel redundancy

· N+ A parallel redundant design, up to 6 units available, makes the configuration more flexible.

Any unit in parallel system fails, the faulty one will automatically cut off the output, and the load will be powered by the remained units.

- · It is easy to configure the parallel system just by connecting the parallel cables and doing proper settings.
- Non-fixed Master-Slave relationship: Among several UPS in parallel, the unit startup first is Master UPS, the others are Slave. The master and slave may be exchanged.

■ Strong overload capability

 110%/125%/150% overload for 60min/ 10min/1min.

■ Power walk in

 Specially designed power walk in function, in which rectifier of each unit in parallel system will be turned on in sequence at intervals to avoid the sudden load on the generator, thereby reducing the cost of the generator required.

■ Multi-protection

- · Self-diagnosis function will take place before start-up for safety.
- Multi-protection: AC input under/over voltage, overload, short-circuit, over-current, over bus voltage, over-temperature, fan failure, auxiliary power failure, battery under voltage, battery over-charge and so on.

■ EPO function

 A concave red EPO button with transparent cover is embodied in the LCD control panel for emergency power off.

■User-friendly network management

- · Chinese/English LCD and LED mimic diagram: real time operation parameters and status
- · RS232 & RS485 communication ports: for local monitor with corresponding software, and MODBUS protocol is optional.
- SNMP adapter (optional): for remote monitor through network
- · Dry contacts for additional monitoring:



















Technical Specifications:

MODEL	Premium Plus-10T	Premium Plus-20T	Premium Plus-30T	Premium Plus-40T	Premium Plus-60T	Premium Plus-80	
Capacity (VA/Watts)	10k / 9k	20k / 18k	30k / 27k	40k / 36k	60k / 54k	80k/ 72k	
NPUT			,	'		,	
Operating voltage range	380/400/415Vac (380-25%, 415+20%), (3Ph+N+PE)						
Operating frequency range	50/60Hz (±5Hz)						
Power factor	≥0.98(with filter)						
OUTPUT							
Output voltage	380/400/415Vac (±1%)						
Output frequency	50/60Hz (±0.05%)						
Harmonic distortion (THD)	<3% (linear load)						
Crest factor	3:1 (Max.)						
Efficiency	>89%	>90%	>9	1%	>5	92%	
BYPASS							
Rated voltage	380/400/415Vac						
Rated frequency	50/60Hz						
Voltage protection range	Upper limit: +20% (+10%,+15%,+20% adjustable)						
	Lower limit: -40% (-10%, -20%, -30%, -40% adjustable)						
requency protection range	± 10% (± 2.5%, ± 5%, ± 10%, ± 20% adjustable)						
BATTERY							
Battery voltage	384Vdc						
SYSTEM FEATURES							
Transfer time	0ms (Line mode ←→Battery mode)						
Overload	110%/60min ,125%/10min ,150%/1min						
_ED 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						
Communication interface	Dry contact, RS232, RS485, SNMP card (Optional)						
Optional	Harmonic filter, SNMP adapter, LBS cables, battery temperature sensor, Bypass current-sharing inductor						
ENVIRONMENTAL							
Operating temperature	0~40℃						
Storage temperature	-25°C ~55°C						
Humidity range	0~95% (non-condensing)						
Altitude	<1500m						
Noise level	<60dB <65dB						
PHYSICAL							
Dimension D × W × H (mm)	800 × 570 × 1195 760 × 880 ×				80 × 1600		
Net weight (kg)	217	273	316	330	483	525	
Shipping weight (kg)	272	328	371	385	553	595	
STANDARDS	3	00.00					
Safety	IEC/EN62040-1;IEC/EN60950-1						
EMC		IEC/EN62040-2;IEC61000-4-2;IEC61000-4-3;IEC61000-4-4; IEC61000-4-5;IEC61000-4-6;IEC61000-4-8					



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