



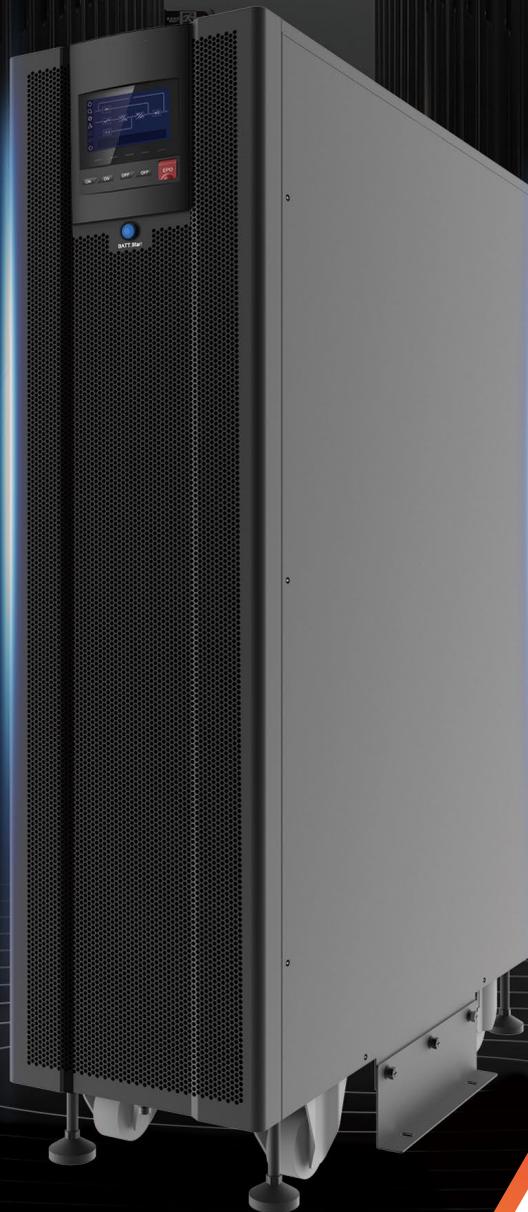
UPS

SOLUTIONS
CRITICAL POWER & COOLING

UPS SOLUTIONS

XRT 3-Phase Series Online Monoblock UPS

10-40kVA



UPS Solutions

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AUSTRALIA, NEW ZEALAND & PACIFIC REGION



XRT 3-Phase Series 10-40kVA/10-40kW Online Monoblock UPS

Designed for server room and data center applications, the XRT (3-Phase) Series adopts double-conversion topology to provide seamless Pure Sine Wave output.

The XRT 3-Phase series also adopts ECO Mode to save on energy costs, Smart Battery Management (SBM) to extend battery lifespan, and multifunction LCD readout to display precise information. The power management software allows users to easily control and monitor the UPS system.

Key Features:

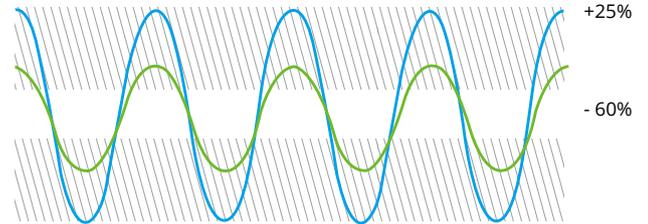
- Unity Power Factor kW=kVA
- Anti Corrosion Resistant Coating On PCB Boards
- Dust Filter Protection
- Includes Industry Leading 10-Year Design Life Batteries, Refer to Brochure.
- Includes Network Card Pre-Installed
- Includes Dry Contact Card Pre-Installed
- Includes Battery Temperature Sensor
- Complimentary Upgrade To 4:3 Inch Touch Screen
- 3 Phase In/3 Phase Out (3:3) Standard
- 3:1 or 1:1 conversion complimentary if required (Please ask your sales representative)
- Generator Compatible
- UPS Parallel Expansion Kit Available (Please ask your sales representative)
- Parallel of 2 Units Can Share Common Battery Bank

Industry First Comprehensive Start-Up Package:

- Commissioning In-house or On-site within 100KM of CBD (Outside incurs travel cost)
- 2-Year Australian Warranty
- 2-Year Australian Bi-Yearly Service Package within 100KM of CBD (Outside incurs travel cost)
- 1-Year Australian Labour Warranty within 100KM of CBD (Outside incurs travel cost)

High Reliability

- Super wide input voltage range -60%~+25% for high grid adaptability and prolong battery service life.
- Dual DSP control for top performance and reliability.
- Intelligent fan speed control reduces the noise and prolongs fan service life.
- Anti-corrosion resistant coating in all PCB boards.
- Full protection with input,output,bypass, maintenance bypass and battery breaker.
- Generator compatible ensure the clean power for extend power outage.
- Local and remote EPO function for immediatly remove power from connected load in the event of emergency.
- Short circuit time settable 10-200ms which provide high protection for system.
- Bus synchronization control function provides reliable high power for the dual bus application.



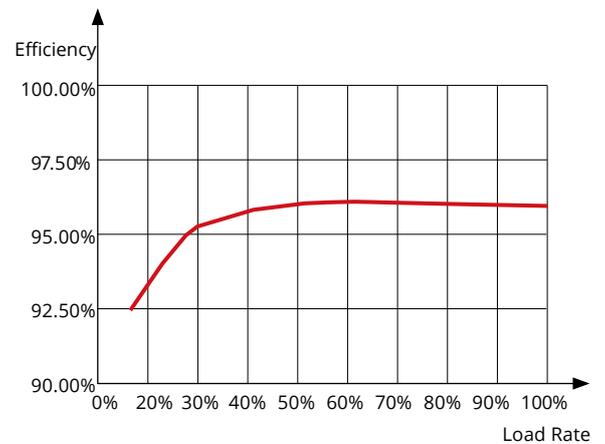
Wide input voltage range



Automatic fans control

Green Power

- Output power factor 1.0, more powerful to connect more critical loads.
- AC/AC efficiency up to 96% and 25% load above 94% efficiency reduces heat dissipation and limits power consumption costs.
- ECO mode efficiency up to 99% will significant reduce the TCO.
- 3 level inverter and IGBT technology ensure input PF>0.99 and low THDi <3% for maximum upstream sources compatibility.
- Self-load test function, easy debugging and easy onsite test during commissioning, before it is connected the real load, without using costly temporary loads, cabling and breakers for energy saving.



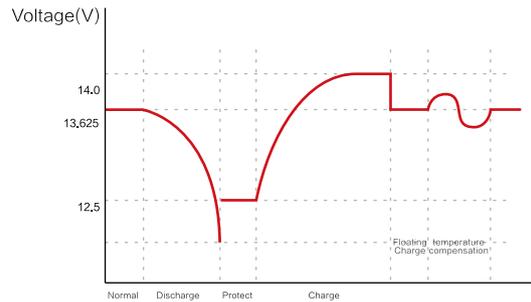
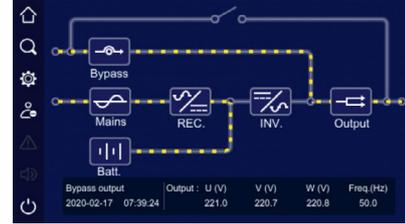
Galvanic Isolation

- Isolation transformer can house inside the cabinet for full input or output isolation which suitable for medical and critical application.
- Isolation transformer temperature detection and alarm.
- Short circuit protection, restrain the high current puncture to UPS.
- No effects to the UPS output performance or reduced impact of the inverter power components whilst supplying specific loads.



Intelligent Management

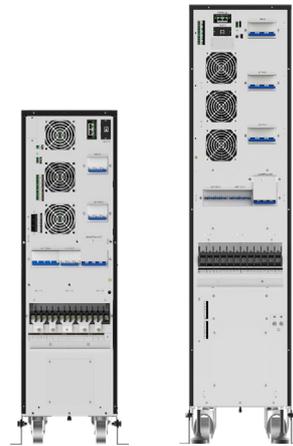
- Multi-functional touch screen with LED Indicators, ensure comprehensive and visualized information display.
- Large data storage capacity, events logs 10000pcs.
- Intelligent battery management which include 3 stage battery charging mode, Battery static and battery test function which prolong battery service life.
- Key components pre-alarm function.
- Smart programmable dry contact communication.
- Dedusting function which save the service time and keep system performance.
- Easy onsite firmware update.



Intelligent battery management

Flexible Design

- Adjustable input and output phase 3:3/3:1/1:1 for 10-20KVA and 3:3/3:1 for 30-40KVA to meet multiple power distribution condition.
- Integrated autonomy with compact footprint and external battery slot for extend power outage.
- DC voltage settable $\pm 96 \sim \pm 240$ for 10KVA, $\pm 144 \sim \pm 240$ for 20~40KVA.
- Multi-language of Chinese, English, Italian, Polish, Russian, Spanish, Korean.
- Frequency converter function (60Hz/50Hz or 50Hz /60Hz).
- Common battery bank in 2 units parallel system
- Easy onsite parallel slot modification up to 4 units
- Wheel design easy for movement and relocation.



More Options

- Parallel kit
- SNMP slot
- Dust filter kit
- Expanded dry contact kit
- Intelligent Battery Monitoring System
- Protocol transfer kit
- LCD display
- Lithium battery
- Input/output isolation transformer
- Battery Charge Temperature Compensation



Parallel kit



SNMP Slot



Protocol transfer kit

Technical Specification

MODEL	XRT-3PH-10KVA	XRT-3PH-20KVA	XRT-3PH-30KVA	XRT-3PH-40KVA	
INPUT					
Phase	3:3/3:1/1:1		3:3/3:1		
Voltage (Vac)	80-280 (L-N)/138-485 (L-L)		138-485 (L-L)		
Frequency (Hz)	40-70				
Power Factor	≥0.99				
THDi at full Linear load	<3% (linear load)				
Dual Main Input	Yes				
OUTPUT					
Capacity (kW)	10	20	30	40	
AC/AC Efficiency (Max.)	96%				
Power Factor	1.0				
Voltage (Vac)	220/230/240±1% (L-N) 380/400/415±1%(L-L)				
Frequency (Hz)	50/60±0.1 (battery mode)				
THDv	≤2% (linear load), ≤4% (non-linear load)		≤1% (linear load), ≤4% (non-linear load)		
Crest Factor	3:1				
Overload	110% load for 60 mins, 130% load for 10 mins, 155% load for 1 min, above 155% load for 200ms				
EPO	Remote and Local				
Cold Start	Yes				
BATTERY					
Voltage (Vdc)	±192 (±96 ~±240 adjustable)	±192 (±144 ~±240 adjustable)*			
Internal Battery	16~40*9AH/12V	24~40*9AH/12V	48~80*9AH/12V		
Charging Current (A)	1-10 settable		1-20 settable		
GENERAL					
Communication Interface	RS485+EPO+Dry contact (1 input,5 output)(SNMP are optional in slot)				
Display	4.3 Inch Touch Screen+ LED+ Physical buttons				
Alarm	Low battery, abnormal AC input, UPS failure, etc.				
Protection	Low battery, overload, short-circuit and over temperature, etc.				
Noise (dB)	<55				
Working Temperature (°C)	-5~40				
Relative Humidity	0 ~ 95%, no condensation				
Altitude (m)	2000, no derate				
Dimension (W×D×H)(mm)	250×755×880		300×785×1250		
Weight (kg)	with Battery	98 (20 ×9AH)	132 (32×9AH)	240 (64×9AH)	240 (64×9AH)
	without Battery	50		85	
	with TX	143		240	

• Specification is subject to change without prior notice.
 * Capacity will derate when battery voltage between ±144~±180