

# Amplon RT Series UPS

Three-phase, 10-20 kVA, 400 Vac

## Powering Your Vision, Protecting Your Future

Introducing the Amplon RT Series 10-20 kVA UPS: Compact yet powerful, it provides a unity output power factor and top efficiency, with up to 96.5% AC-AC efficiency. It also features Li-ion battery compatibility for enhanced density and sustainability. With optional complete power solutions like the Maintenance Bypass Breaker and Rack Remote Power Panel integration, it ensures seamless operation for critical applications.



## Efficiency and Reliability

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- Best-in-class AC-AC efficiency of up to 96.5% and 99% in ECO mode for lower energy costs
- Wide input voltage range for operation in harsh environments and extended battery life
- AC-start function enables the UPS to switch on without battery connection
- Hot-swappable batteries for continuous operation during replacements

## Availability and Flexibility

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- Unity output power factor ensures no de-rating with loads
- Up to 4 units parallel capacity for redundancy and load expansion
- VRLA and Li-ion External Battery Cabinet (EBC) for scalable runtime
- Supports flexible battery quantity, reducing maintenance costs

## Manageability

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- User-friendly LCD display for excellent local management
- Intelligent battery management for extended life and maximum performance
- Free UPS management software and multiple communication interfaces ensure seamless remote monitoring and device protection



IT



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Government



SME



Retail



# Technical Specifications

Model	RT-10K-3P	RT-15K-3P	RT-20K-3P
Topology	Online double-conversion		
Power Rating	10 kVA 10 kW	15 kVA 15 kW	20 kVA 20 kW
Parallel Configuration	Up to 4 units		
<b>INPUT</b>			
Nominal Voltage	380/400/415 Vac. 3P4W+PE		
Voltage Range	305-485 Vac (100% load); 138-305 Vac (with derating to 40-100% load)		
Frequency Range	40-70 Hz		
Total Harmonic Distortion (THDi)	< 3%		
Power Factor	> 99% (100% load)		
Connection	Input terminal x1, Bypass input terminal x1		
<b>OUTPUT</b>			
Nominal Voltage	380/400/415 Vac. 3P4W+PE or 220/ 230/ 240 Vac, 1P2W+PE		
Voltage Regulation	±1%		
Frequency	50/60 ± 0.05 Hz		
Total Harmonic Distortion (THDv)	< 2% (linear load), < 4% (non-linear load)		
Power Factor	1		
Connection	Terminal x1		
Overload Capability <sup>(1)</sup>	106-125%: 5 mins; 126-150%: 1 min; > 150%: 500 ms		
Current Crest Ratio	3:1		
<b>EFFICIENCY</b>			
Online Mode	Up to 96%	Up to 96.5%	
Eco Mode	Up to 99%		
<b>BATTERY</b>			
Battery Type	VRLA/Lithium-ion		
Nominal Voltage	144 <sup>(2)</sup> , 192-264 Vdc	±144 <sup>(2)</sup> , ±192-±264 Vdc	
Charge Current	Up to 8 A		
<b>COMMUNICATION INTERFACE</b>			
Display	Graphical LCD display with LED indicators		
Port	USB, RS-485, Mini Slot, REPO, Input dry contact x1, Output dry contact x3		
<b>PHYSICAL</b>			
Dimensions (W x D x H)	440 x 649 x 88.2 mm	440 x 760 x 88.2 mm	
Net Weight	16.6 kg	22 kg	22.5 kg
<b>ENVIRONMENT</b>			
Operating Temperature	0 to 55°C (45 to 55°C de-rating to 75% load)		
Humidity	5-95% (non-condensing)		
Audible Noise	< 50 dBA	< 54 dBA	
Altitude	0-3000 m (derating 1%/100 m from 1000-3000 m)		
Ingress Protection	IP20		
<b>CONFORMANCE</b>			
Safety	CE, UKCA, UL/cUL, TISI, RCM, BIS, BSMI		
EMC	IEC 62040-2		
Performance	IEC 62040-3		
Sustainability	RoHS, REACH, Energy Star 2.0		

(1) Operating temperature < 32°C

(2) Derating to 70% load

All specifications are subject to change without prior notice.



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