Anda RT Delta

Single Phase 1/2/3 kVA

Compliant with DNV GL rules for Ships, offshore units, and high speed and light craft. Accepted for installation on all vessels classed by DNV.

Reliable power with greater energy-saving features

The Anda RT Delta 1-3kVA series is an online double-conversion UPS providing consistent sine-wave power to your critical equipment. Supports personal computers, networks, servers, VoIP and telecommunications in maritime environmetns. It features an output power factor of 0.9 and best-in-class AC-AC efficiency up to 94% resulting in greater energy savings. Optional external battery pack can be connected for longer backup time to keep your applications safe and running smoothly at all times.

Availability

- True online double-conversion topology and zero transfer time to battery ensure high reliability
- Watch-dog design of DSP (Digital Signal Processor) increases reliability
- Cold-start capability provides temporary battery power when the utility power is out
- Fan failure detection alerts users to failed fans
- Hot swappable batteries ensure continuous operation even when batteries are being replaced
- Optional external battery pack for easy scaling of longer backup time
- Operation temperature tolerance up to 50°C ensures critical loads' continuity



Green & Low TCO

- High output power factor 0.9 provides more real power to critical loads
- High input power factor (pf > 0.99) and low harmonic distortion (iTHD < 5%) save upstream investment
- Up to 94% AC-AC efficiency and 97% efficiency in ECO mode result in marked energy cost savings
- Wide input voltage range reduces the chance of using the battery and extends battery life
- Intelligent battery management sustains battery life and performance
- Fan speed control by load level maximizes efficiency and reduces audible noise

Flexibility

- Load segment control allows less-critical loads to be disconnected during blackouts and saves battery runtime for important loads
- Convertible rack and tower configuration in 2U size cabinet
- Excellent local communications through rotatable LCD display
- Intelligent management software connectivity via RS232 or USB port
- Can be equipped with relay-card or SNMP communication

UPS

DNV

Certificate No:
TAE00004AW

anda

Anda RT Delta

Single Phase 1/2/3 kVA



Technical Specifications

Model		RT-1K	RT-2K	RT-3K
Power Rating		1kVA/0.9kW	2kVA/1.8kW	3kVA/2.7kW
Input	Nominal Voltage	200*/208*/220/230/240Vac		
	Voltage range	175~280Vac (full load); 120~175Vac (70~100% load)		
	Frequency	40~70Hz		
	Power Factor	> 0.99 (full load)		
	Current Harmonic Distortion	< 5%		
Output	Power Factor	0.9		
	Voltage	200*/208*/220/230/240Vac		
	Voltage Regulation	± 1% (linear load)		
	Frequency	50/60Hz ± 0.05Hz		
	Voltage Harmonic Distortion	< 2% (linear load)		
	Overload Capability	< 105%: Continuous; 105~125%: 1 minute; 125~150%: 15 seconds		
	Receptacle	IEC C13 x 6	IEC C13 x 6, IEC C19 x 1	
Efficiency	AC-AC	90%	Up to 94%	
	ECO Mode	96%	Up to 97%	
Battery	Battery Voltage	24Vdc	48Vdc	72Vdc
	Typical Backup Time**	6.5 minutes	7 minutes	
	Charge Current	1.5A	2A	
	Recharge Time	3 hours to 90%		
Audible Noise		< 40dB	< 43dB	< 46dB
Display		LCD display and LED indicators		
Interfaces		SMART Slot x 1, RS-232 Port x 1, USB Port x 1, REPO x 1		
Conformance		CE, TISI, RCM, EAC		
Dimensions (W x D x H)	UPS	440 x 335 x 89mm	440 x 432 x 89mm	440 x 610 x 89mm
	External Battery Pack	440 x 335 x 89mm	440 x 432 x 89mm	440 x 610 x 89mm
Weight	UPS	12kg	18kg	28kg
	External Battery Pack	15kg	27kg	44kg
Environment	Operating Temperature	0~50°C***		
	Relative Humidity	5~95% (non-condensing)		

* When the UPS is de-rated to 90% of its capacity.
** When the total load reaches 75%.
*** 40~50°C with 80% de-rating.
All specifications are subject to change without prior notice.

UPS

DNV

Certificate No:
TAE00004AW

anda