



**ARIET**

**VT3315S**  
**VT3320S**

## **Three-phase UPS**

Tower UPS

Online double conversion



**Office and server  
equipment**



**Medical facilities  
and laboratories**



**Telecommunications  
systems**

**The 15-20 kVA three-phase UPS** provides high quality and stable power supply for critical facilities.

The cold start function allows you to turn on the power supply and power connected equipment solely from the batteries when there is no external 220V power supply. This ensures temporary operation of the equipment during a power outage.



## SCENARIOS

Data center

Educational institutions

Government agencies

Medical centers

Financial companies

Energy companies

## BENEFITS

**Wide input voltage range** — device automatically adapts to both wireless and hard-wired power.

**High reliability and environmental adaptability** — a wide range of input parameters helps maintain operation even with unstable power supplies, reducing the risk of switching to batteries.

**Ease of use and flexibility in autonomy** are provided by maintenance and safety features, including a service bypass and battery protection circuit breaker.

**High efficiency** — up to 96% in normal and battery mode—optimizes power consumption and heat dissipation, simplifying equipment deployment and reducing cost of ownership.

# Technical specifications

MODEL	VT3315S	VT3320S
<b>Rate Power</b>	15 kVA	20 kVA
<b>Main input</b>		
Input	3P5W (3P+N+PE)	
Rate Voltage	380/400/415 VAC (L-L); 220/230/240 VAC (L-N)	
Rate Freq	50/60Hz	
Input PF	≥0,99	
Current distortion	TTHDi < 3% (100% Linear load)	
Voltage range	304 ~ 478VAC (L-L) full load 304~228 VAC (L-L) — 304 ~ 228VAC (L-L) power derate from 100% to 75%	
Freq. range	40~70Hz	
<b>Battery</b>		
Rate voltage	±240 VDC	
Model	UPS with internal batteries, 12VDC/7~9Ah UPS for external batteries, Settable	
Quantity	Internal BAT — 40PCS External BAT — Depend on external battery, 40pcs (option)	
Charging capacity	20% × Pout	
Charging accuracy	±1%	
<b>Bypass</b>		
Rate voltage	380/400/415VAC (L-L) ; 220/230/240VAC (L-N)	
Voltage range	Range: -40%~+25% , Settable, default -20% ~ +15%	
Frequency range	50/60Hz, Settable: ±1Hz, ±3Hz, ±5Hz	
<b>Inverter</b>		
Rate voltage	380/400/415VAC (L-L) ; 220/230/240VAC (L-N)	
Rate Freq	50/60Hz	
Output PF	1	
Voltage accuracy	±1,0%	
Load response	<5% (20% - 80% -20% step load)	
Recovery time	< 20ms (0% - 100% -0% step load)	
Output THDu	<1% (linear load) ; <5% (non-linear load according to IEC 62040-3)	
Overload	110%, 1 hour ; 125%, 10 mins ; 150%, 1 min ; >150%, 200ms	
Frequency accuracy	0,1%	
Synchronize window	Settable, ±0.5Hz~±5Hz, default ±3Hz	
Slew rate	Settable, 0.5Hz/S~3Hz/S, default 0.5Hz/S	
Crest factor	3:1	
Phase Accuracy	120° ±0,5°	
<b>System</b>		
Efficiency	Normal Mode up to 96% ; Battery Mode up to 96%	
Display	LED + 7 inch touch LCD	
Certification- Safety	IEC62040-1, IEC60950-1	
Certification- EMS	IEC62040-2; IEC61000-4-2 (ESD); IEC61000-4-3 (RS); IEC61000-4-4 (EFT); IEC61000-4-5 (Surge)	
IP degree	IP20	
Configuration	USB, RS232, RS485, Dry contact, Air filter	
Option	SNMP card, AS400 card, Parallel kit, LBS, Cold start	
Environment	0~40°C (operation) ; -25°C~70°C (storage) ; 0~95% (Humidity, non-condensing)	
<b>Physical parameters</b>		
Dimension (WDH) mm	Internal BAT	250×711×828
Weight(kg)	Internal BAT (No include batteries)	63
	External BAT	43