



ORVALDI VT1/2/3KL on-line TOWER

Long run model

Uninterruptible power supply ORVALDI VT 1 / 3K on-line works in the true on-line topology. Double conversion voltage output voltage ensures stability and safety critical applications, it secures your data loss from power failure, surge, and sags. Wide input voltage range allows you to restrict the use of the battery, which in turn increases their lifespan.



Product features:

- True double-conversion online UPS,
- Output power factor 0.8,
- Wide input voltage range (160-300V AC),
- User-friendly LCD,
- Switching time 0ms,
- 50Hz/60Hz frequency converter mode,
- Tower design,
- Programmable power management outlets,
- ECO operation for energy saving,
- Emergency power off function (EPO),
- Hot-swappable battery,
- Multiple communication RS232/USB, option SNMP/AS400,
- Version for long time battery operation,

Apply:

- household electronics,
- emergency lighting,
- alarm system,
- telecommunication systems, VOIP,
- fiscal devices,
- servers and computer networks (passive and active PFC),
- measuring and control devices,
- medical equipment,



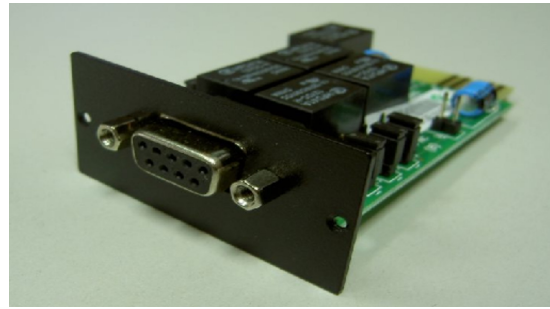
Specifications:

Model	ORVALDI VT1KL on-line	ORVALDI VT2KL on-line	ORVALDI VT3KL on-line
Part no	VWP1KL	VWP2KL	VWP3KL
Capacity	1000VA/800W	2000VA/1600W	3000VA/2400W
INPUT			
Voltage Range	120-300VAC @ 50% of load, 180-280VAC @ 100% of load		
Frequency Range	40~70Hz		
Power Factor	≥0.99 @ 100% of load		
OUTPUT			
Output Voltage	200/208/220/230/240VAC (programmable)		
AC Voltage Regulation (Batt. Mode)	±1%		
Frequency Range (Synchronized Range)	47~ 53 Hz or 57 ~ 63 Hz		
Frequency Range (Batt. Mode)	50Hz ± 0.25Hz or 60Hz ± 0.3Hz		
Waveform (Batt. Mode)	Pure sinewave		
Current Crest Ratio	3:1		
Harmonic Distortion	≤ 3% THD (Linear Load), ≤ 6% (Non-Linear load)		
Transfer time (AC Mode to Batt. Mode)	0ms		
Transfer Time (Inverter to Bypass)	4ms		
EFFICIENCY			
AC Mode	88%	88%	90%
Battery Mode	83%	85%	88%
BATTERY			
Numbers	2 pcs	4 pcs	6 pcs
Charging Current (Max.)	6A max		
Charging Voltage	27,4VDC ± 1%	54.7VDC ± 1 %	82.1VDC ±1%
INDICATORS	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer and Fault conditions		
ALARM			
Battery Mode	Sounding every 4 seconds		
Low Battery	Sounding every second		
Overload	Sounding twice every second		
Fault	Continuously sounding		
PHYSICAL			
Dimension, DxWxH (mm)	282 x 145 x 220	397 x 145 x 220	
Net Weight (kgs)	4,1	6,8	7,4
ENVIRONMENT	20-90 % at 0- 40°C (Non-condensing)		
Noise Level	Less than 50dB @ 1 Meter		
MANAGEMENT			
RS-232/USB	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, Linux, Unix, and MAC		
Optional SNMP/AS 400	Power management from SNMP manager and web browser		

Optional accessories:

AS400 Card

AS400 card (internal) provides information on basic UPS operating conditions. User can configure the NO and NC signals with jumpers.



SNMP card

SNMP card (internal) allows you to manage and monitor the UPS from the software or web browser.



RBS16 1U – automatic switch Master/Slave

16A 230VAC universal switch Master / Slave for connecting two UPS or using as an external bypass the UPS, 10A version available.



External DC charger

External charger helps to recharge high capacity battery. Parallel work increase charging current. Available versions: 24V/20A, 36V/15A, 48V/15A, 72V/12A, 96V/10A, 240V/4A.

