



ORVALDI V1100/2000/3000 (L) sinus 2U

ORVALDI V1000-2000-3000 works in class Line-Interactive. With fully microprocessor control provides a high degree of protection of connected devices, it secures your data loss from power failure, surge, and sags. Wide input voltage range and power stabilization AVR extend the life of the batteries.



Product features:

- Pure sine wave output,
- Output power factor 0.8,
- Wide input voltage range (162-290V AC),
- User-friendly LCD,
- short switching time 2~6ms,
- Rack/Tower design,
- Microprocessor-based Line-interactive topology,
- Built-in boost and buck AVR,
- 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 a 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,



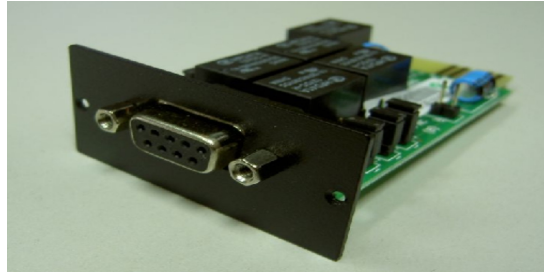
Specifications:

Model	ORVALDI V1100L sinus	ORVALDI V2000L sinus	ORVALDI V3000L sinus
Part no	VOT1K1L	VOT2KL	VOT3KL
Capacity	1100VA/880W	2000VA/1600W	3000VA/2400W
INPUT			
Voltage range	162-290VAC		
Frequency range	50/60Hz auto-sensing		
OUTPUT			
Voltage	208/220/230/240VAC (programmable)		
Voltage Regulation (Batt. Mode)	±3%		
Frequency Range (Batt. Mode)	50Hz or 60Hz ±1Hz		
Waveform (Batt. Mode)	Pure sinewave		
Current crest ratio	3:1		
Harmonic distortion	≤ 8% THD (linear load), 15% max (non-linear load)		
Transfer time	2-6ms, max 10ms		
EFFICIENCY			
AC Mode	97%	97%	97%
Battery Mode	83%	85%	87%
AVR Mode (boost, buck)	90%	90%	90%
BATTERY (Long-run model)			
Max charging current	4A (8A max)		
Charging voltage	27.4VDC ± 1%	54.8VDC ± 1%	82.1VDC ± 1%
Backup time	4/8 min at 100/50% of load		
INDICATORS	AC Mode, Battery Mode, Load Level, Battery Level, Input Voltage, Output Voltage, Overload, Fault and Low Battery		
ALARMS			
Battery Mode	Sounding every 10 seconds		
Low Battery	Sounding every second		
Overload	Sounding every 0.5 second		
Fault	Continuously sounding		
PHYSICAL			
Dimension, DxWxH (mm)	380 x 438 x 88 (2U)	480 x 438 x 88 (2U)	600 x 438 x 88 (2U)
Net Weight (kgs)	12,9	21	31
Humidity	0-90 % @ 0- 40°C (Non condensing)		
Noise Level	Less than 45dB		
MANAGEMENT			
Smart RS-232/USB	Supports Windows 2000/2003/XP/Vista/2008, Windows 7/8, Linux, Unix, and MAC		
Optional SNMP	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.



RackKIT

RackKIT Rail is used to attach the UPS in a rack 19" to a depth of 80cm.



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.



Additional DC charger

External battery charger helps to recharge the high capacity battery. Ability to work in parallel increases the current capacity. Available versions: 24V/20A, 36V/15A, 48V/15A, 72V/12A, 96V/10A, 240V/4A.



