

Output
Power
Factor 0.9

COMPUTER POWER®

The Next Level in Digital Convergence®

UPS ON-LINE RACKMOUNT MODELS: UPS VRN-1.5KVA / VRN-3KVA / VRN-6KVA



FEATURES:

- Continuous and clean power provided by our UPS protects against downtime, data loss and process interruption
 - Friendly LCD Display
 - Full programmable options
 - Cold Start from batteries
 - Double-conversion True Online UPS
 - Input power factor correction 0.99
 - 50Hz/60Hz frequency converter mode
 - Programmable power management outlets
 - Emergency Power Off function (EPO)
 - ECO mode operation for energy saving (ECO)
 - SNMP+USB+RS-232 multiple communications
 - Smart battery charger design for optimized battery performance
 - Selectable output voltage via LCD panel
 - Hot-swappable battery design
 - Wide input voltage range for harsh environments
 - Automatic Bypass for fault tolerance
 - Generator compatible
 - Two-year product warranty
 - Very high surge immunity up to 7KV, 13 KA, 1300 J
 - High overload capability and enhanced short circuit protection
- CD Software Included
- Protection for: Power Failure, Power Sag, Undervoltage, Overvoltage, Electrical Line Noise, Frequency Variation, Switching Transient

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ISO-9001 & ISO-14001 / IEEE C62-41 / EM62040-1-1

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Features Description:

Computer Power MODELS: VRN 1.5 KVA • VRN 3 KVA • VR 6 KVA Online UPS

• LCD Display Panel

- Remaining backup time information
- Fault information
- Mute operation
- Output & Battery voltage information
- Programmable outlets information
- Mode operation information
- Battery information
- Input & Battery voltage information



• Double-conversion True Online UPS

A true double conversion UPS will provide clean, high level quality power to fully protect mission-critical devices such as sensitive networks, small computer centers, servers, telecom applications, as well as for industrial applications.

• Wide input voltage range

Computer Power can still provide stable power to connected devices under unstable power environments.

• Programmable power management outlets

With programmable power management outlets, users can easily and independently control load segments (only 1.5 & 3 KVA). During power failure, this feature enables users to extend battery time to mission-critical devices by shutting down the non-critical devices.

• 50/60 Hz Frequency Converter Mode

Lock output frequency at 50Hz or 60Hz to suit power sensitive equipments. These UPS models can be used as frequency converters: 50 Hz input / 60 Hz output or 60 Hz input / 50 Hz output. In frequency converter mode derate the capacity by 60%

• ECO mode operation for energy saving

Offers efficiency as high as 97% to cut energy usage & cost. UPS power application via static bypass, timely returning to online double conversion when the need arises.

• Emergency Power Off (EPO) Function

This feature can secure the personnel and equipment in case of fires or other emergencies.

• SNMP+USB+RS-232 multiple communications for 1-3K models

This feature allows either USB or RS-232 communication port to work with SNMP interface simultaneously.

• Higher accuracy for output voltage

With advanced control firmware, Computer Power series provides high accuracy within +/- 1% for output voltage. It can be applied to precious test & IT equipment.

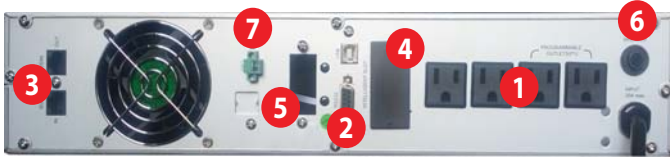
• Smart battery charger design to optimize battery performance

Computer Power 1-3KVA models are equipped with **2 stage charger design** for optimized battery performance. This feature extends the useful service life of batteries and optimizes battery recharge time.

• Easy access for external battery connection.

In the rear panel

Computer Power VRN-1.5 KVA Rear Panel



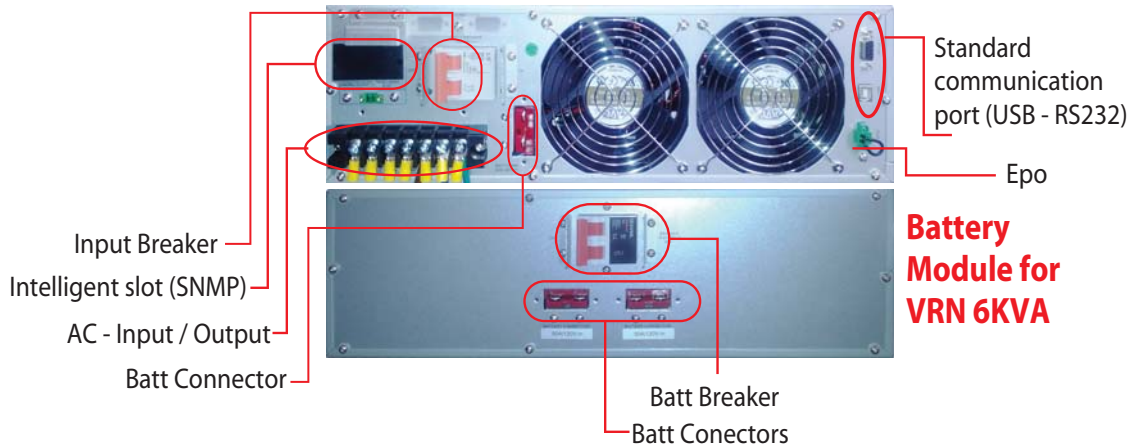
- 1. Output receptacles
- 2. Standard communication port (USB - RS232)
- 3. Modem surge protection RJ-45
- 4. Intelligent Slot
- 5. External Battery Access
- 6. Circuit Breaker

Computer Power VRN-3 KVA Rear Panel



- 7. Epo

Computer Power VRN-6 KVA Rear Panel



Optional SNMP Card (Integrated with ViewPower Pro software)



SNMP Card

- Allows control and monitoring of multiple UPSs through RJ-45 network connection
- Real-time dynamic graphs of UPS data (voltage, frequency, load level, battery level)
- Warning notifications via audible alarm, broadcast, mobile messenger, e-mail and SNMP traps
- Historic data log stored in centralized PC database
- Simple firmware upgrade with one click • Password security protection and remote access management
- Supports optional environmental monitoring detector for temperature, humidity and smoke
- 2-year product warranty SNMP Card
- Support following protocols: http, SNMP, SNMP V2, SNMP V3

Software

UPS Management Software



- * Allows control and monitoring of multiple UPSs via LAN and INTERNET
- * User-friendly power analysis graphs
- * Real-time dynamic graphs of UPS data
- * Safely OS shutdown and protection from data loss during power failure
- * Warning notifications via audible alarm, broadcast, mobile messenger, and e-mail
- * Scheduled UPS on/off, battery test, programmable outlet control, and audible alarm control
- * Password security protection and remote access management
- * Supports multiple OS and local languages

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Computer Power Rackmount Units:

VRN-1.5KVA / VRN-3KVA / VRN-6KVA



MODEL	VRN-1.5KVA	VRN-3KVA	VRN-6KVA
PHASE	Single phase with ground		2 phase In / 2 phase Out F 4 wires
CAPACITY	1500 VA / 1350W	3000 VA / 2700 W	6000 VA / 5400 W
INPUT			
AC Cord and Connector	16 AWG / 5-15P	10 AWG / L5-30P	Terminal Block
Input Voltage	80 - 150 VAC		80-140VAC (L-N) 138-242 (120°-240°) 160-280(180°)(L-L)
Input Frequency Range	40 Hz ~ 70 Hz		
Operating Frequency	50 Hz / 60 Hz Auto sensing		
Power Factor	≥ 0.99 @ nominal voltage (100% load)		
Harmonic Distortion THDi	≤ 5%		
OUTPUT			
Output Receptacles	4 # 5-15R	2 # 5-20R / L5-30R	Terminal Block
Output Voltage	110/115/120/127 VAC		110/115/120/127VAC(L-N) 200/208/220/230/240 (L-L)
Phase Angle	0° / 120° / 180° / 240°		
AC Voltage Regulation	± 1%		
Output Frequency	50 Hz / 60 Hz Auto sensing		
Frequency Range	50 Hz or 60Hz ± 0.1 Hz (Batt. Mode)	47 ~ 53 Hz or 57 ~ 63 Hz (Sync range)	50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz 46 ~ 54 Hz or 56 ~ 64 Hz (Sync range)
Current Crest Ratio	3:1		
Harmonic Distortion THDv	≤ 2 %		
Transfer Time	Zero		
Waveform	Pure Sinewave		
EFFICIENCY			
AC Mode	90%	91%	91% (96% on ECO mode)
Battery Mode	89%	90%	87%
BATTERY			
Battery Type	12V/10Ah	12V/10Ah	12V/9Ah
Numbers	3 pcs	6 pcs	10 pcs x 2 strings (20)
Typical Recharge Time	4 hours recover to 90% capacity		
Charging Voltage	41.1 VDC ± 1%	82.1 VDC ±1%	136 VDC ±1%
Backup Time: Pf = 0.9: 100% / 75% / 50% load:	5 / 7 / 13	5 / 7 / 13	9 / 13 / 22
Backup Time: Pf = 0.8: 100% / 75% / 50% load:	6 / 9 / 15	6 / 9 / 15	10 / 15 / 26
Extended Backup Time	Configurable according to client's needs		
INDICATORS			
LCD Panel	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions		
ALARM			
Battery Mode	Beeps every 5 seconds		
Low Battery	Beeps every 2 seconds		
Overload	Beeps every second		
Fault	Continuously sounding		
PHYSICAL			
Dimension, D x W x H (mm)	410 x 438 x 88 [2U]	630 x 438 x 88 [2U]	UPS: 668 X 438 X 133 [3U] BATTERY: 580 X 438 X 133 [3U]
Net Weight (Kg)	15	28	UPS: 22 / BATT: 63
ENVIRONMENT			
Operational Humidity and Temperature	0-90 % RH @ 0- 40°C (non-condensing)		0-95% RH @ 0- 40°C (non-condensing)
Noise Level	Less than 50dB @ 1 Meter		Less than 60dB @ 1 Meter
Operational Altitude	≤ 3000 meters		
MANAGEMENT			
Smart RS-232/USB	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix, and MAC		
Optional SNMP	Power management from SNMP manager and web browser		

Product specifications are subject to change without further notice
 Derate capacity to 95% when output voltage is adjusted to 115 VAC, to 90% when adjusted to 110 VAC
 When used as frequency converter derate capacity to 80%

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Distributed By:

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