



VENUS Series

1- Introduction of Product

Faratel VENUS UPS series are designed based on Line-Interactive technology . Faratel VENUS series are equipped with smart micro-processing system to check for proper operation of UPS and find probable errors in any part of the UPS. This type of UPS must be used in computer systems, otherwise the service will be coordinated.

1-1- Advanced Features

Features	Benefits
Equipped with intelligent microprocessor control system	AC conditions are monitoring precisely and by complex controlling-protecting algorithms UPS proper operation is certified.
Ability to remove EMI and RFI noises	<ul style="list-style-type: none"> ▶ Decrease common mode noises less than 50db ▶ Designed for medical, telecommunication or any other power sensitive devices ▶ Decrease ▶ The frequency conflictions with other equipments Prevent losses in wires and UPS's loads
<ul style="list-style-type: none"> ▶ System modulated ▶ Low weight 	Better and easy servicing
Equipped with Sealed Lead Acid batteries	Maintenance free
Equipped with smart RS232	<ul style="list-style-type: none"> ▶ Ability to interface with UPSwing Pro software for controlling and monitoring UPS, auto saving open files and shutdown OS and UPS in critical events ▶ Making report from different events ▶ Shut down all servers and saving all information even in critical situations
Ability to mount on rack (some models)	Mount nearby rack equipments and scale to proper space
Battery management	<p>Thanks to algorithms used in battery charging and discharging:</p> <ul style="list-style-type: none"> ▶ Battery lifetime is extended ▶ Includes test button for checking if UPS works properly in lack of AC line voltage ▶ Cold start

1-2- Protection Systems

- Lightning, spike and surge protection (Only in the case of using standard Earth)
- Back feed protection on battery mode
- Protect UPS loads against two phased input AC line (Only in the case of using standard Earth)
- Protection against out of range output voltage variations
- Protection against input voltage and frequency variations
- Common mode noise protection
- Output short circuit and overload protection
- Protection against over-discharge
- Protection against out of range battery charger's over voltage
- Tel/Fax/Modem/Network surge suppression

2- UPS Block Diagram

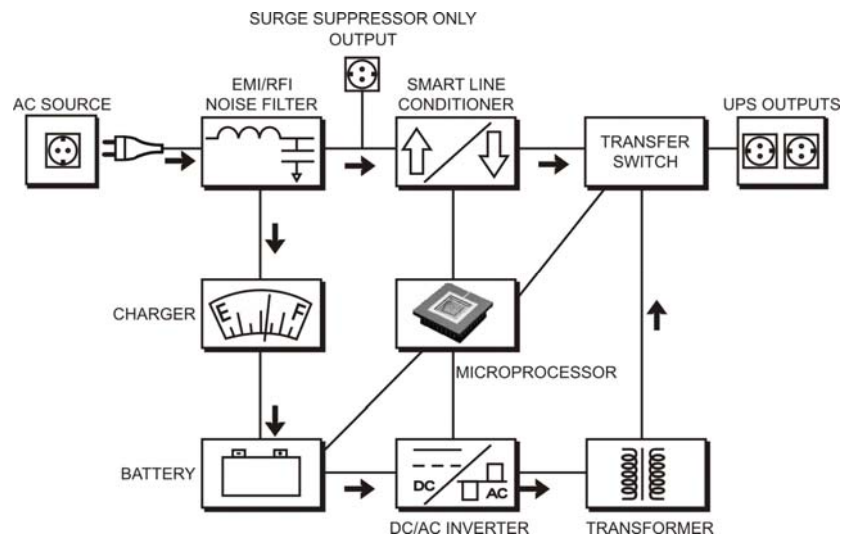


Figure 1: Block Diagram of VENUS UPS Series

3- Front Panel View

- ① Power/Test Button
- ② Boost Indicator
- ③ Normal Mode Indicator
- ④ Buck Indicator
- ⑤ Backup Mode Indicator
- ⑥ Battery Defect Indicator
- ⑦ Overload Indicator

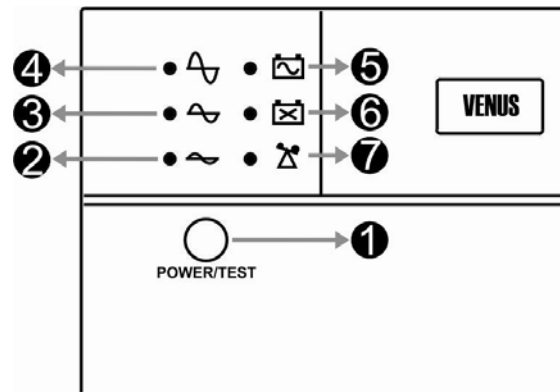


Figure 2: Front Panel of VENUS1300 (Stand-up Models)

4- Rear Panel View

- ① Input AC Line Cable
- ② Input Fuse
- ③ Earth Connection Screw
- ④ Site Wiring Fault Indicator
- ⑤ Grounded Output Receptacles
- ⑥ Surge Suppressor grounded Output Receptacles
- ⑦ Smart RS232 Port
- ⑧ Modem/Network Surge Protection (RJ45/11 connection)

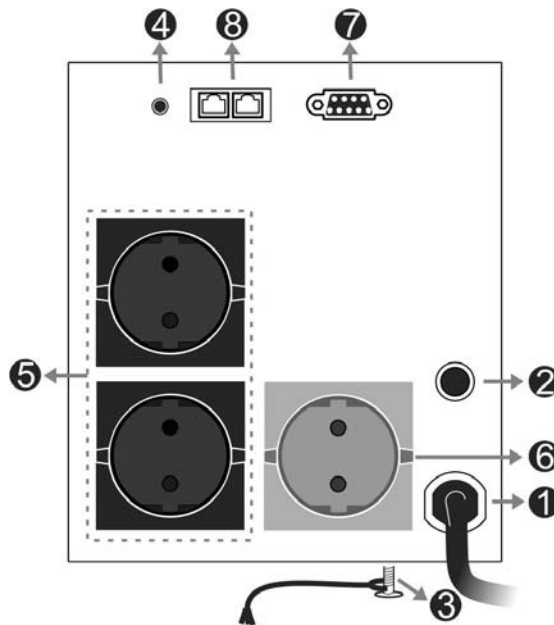


Figure 3: Rear Panel of VENUS1300

5- Technical Specification Table

Model		VENUS1300	
Technology		Line-Interactive	
Power		1300VA - 780Watt	
Input	Voltage	220VAC±20%	
	Max. current	8A	
	Frequency	50±5Hz % OR 50±3Hz %	
	Phase	Single Phase	
	Nominal power factor	0.6	
Output	Voltage	AC Mode: 220 VAC±10% Sine Wave Battery Mode: 220Vr.m.s±5% Quasi-Sine Wave	
	Current	5.9A	
	Frequency	AC mode: synch with input Battery mode: 50Hz±0.2%	
	Phase	Single phase	
	Nominal power factor	0.6	
	Over load capacity	110%~130% of nominal power for 1 minute More than 130% of nominal power for 3 seconds	
	Type	Sealed lead acid batteries free maintenance	
Battery	Voltage	24VDC	
	Internal battery	2 Batteries 12V with dimension 151*64*94mm	
	Recharge time	10 Hours after 90% discharge	
	External battery	Has not	
	Efficiency	Normal Mode >95%	
Transfer time		2.5msec	
Environment	Ambient operation	Temperature	0~40°C
		Humidity	0~95% (Non-condensing)
		Altitude	1000 Meters max. elevation (Based on IEC62040)

6- Physical Specification Table

Physical specification	Model	VENUS1300
	Dimension [H*D*W] (mm)	Net dimension:140*385*169 Shipping dimension:180*460*250
	Net weight (Kg)	14.6
	Shipping weight (Kg)	15.6

7- How to Contact Faratel

7-1- Central Sales Department

Address: Faratel Bldg., No. 21, Kandovan Alley (Opposite of Nejatolahi St.), Enghelab St., Tehran, Iran

Postal Code: 1131834914

Telephone: (+98 21) 6670 0001 up to 5

Fax: (+98 21) 6670 9493

Email: sales@faratel.com

URL: <http://www.faratel.com>

7-2- Central Customer Service

Address: Faratel, Shahid Abdolrahimi St., 17 Shahrivar St., Sanay-e Felezi St., Fifth Kilometer of Old Karaj Rd., Tehran, Iran

Postal Code: 1378763511

Telephone: (+98 21) 6680 9495 up to 7

(+98 21) 61922

Fax: (+98 21) 6680 5525

Email: support@faratel.com

URL: <http://www.faratel.com/>

In order to find the nearest authorized representatives of Customer Service in Iran please refer to the above URL.

