

**POWERTRONIX
VELA
50 - 60 kVA

PV 0396-E02**

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INTRODUCTION

Present document defines technical specs of the three phase VELA UPS covering the power range from 50 to 60 kVA ON-LINE DOUBLE CONVERSION Uninterruptible Power Supply Systems with forced ventilation cooling.

These equipments are characterized by reduced size and high efficiency, thanks to the conversion topology, which doesn't need transformers between mains, inverter and load.

VELA UPS belongs to the "double conversion" equipments family, with all advantages given by this topology and without any penalty in total efficiency.

All sizes have the same cubicle.

Following is the picture of the system:



GENERAL FEATURES

- Double conversion, digital control, trafoless power module with IGBT HF switching, Cubicle arrangement as Powertronix style
- All the electronic mounted on the same removable power module
- Cables inlet from the bottom.
- IP 20 protection degree.
- UPS control and signalling developed on the single board.
- Communications Boards on the rear of the UPS.
- Modem remote supervision available.
- UPS diagnostic and management on teleservice from the factory through SNMP adapter.
- Control panel with LCD display, EPO integrated.
- Remote EPO facility.
- Connection to a PC available.
- RS 232 C serial port with DB9 connector.
- SNMP adapter available.
- Software development with the most popular operating systems (Windows, Novell, Unix, OS/2)
- Additional free contacts for main remote alarms.

As proposed for other POWERTRONIX products, suitable options are available to increase behavioural level referred to power management and/or power quality as indicated in the following items:

- Connection to PC or local network available.
- Isolation of the load through transformer.
- Parallel capability.
- Isolation of the inverter line and/or reserve line.

