

The **Volt Ex Line** is a high-capacity, 3/3 Online UPS series (three-phase input/three-phase output) designed for industrial and data center applications. It features a modular design with high energy efficiency and advanced control interfaces.



Auto Start
After the
Interruption

Cold Start
From Battery
Without Grid

Wide Entry
Voltage Range
110-300 VAC

**Full
Protection**
Short Circuit
and Overload

**High
Entrance**
Power Factor
(0.99)

**High
Output**
Power Factor
(0.9)

DSP
Micro Processor

**High
Energy
Savings**

**Smart
Battery
Management**

Eco Mode

**Sine Wave
Output**

**Generator
Combability**

GENERAL FEATURES

- ◆ Pluggable Power Modules for Easy Maintenance
- ◆ High Output Power Factor (PF: 1),
- ◆ DSP Control Technology for High Reliability,
- ◆ 5" Touch Screen for Detailed Access,
- ◆ Dual Mains Input Feature,
- ◆ Very Powerful Battery Charger to Shorten Charging Time,
- ◆ Adjustable Charging Current,
- ◆ High Overload Capacity,
- ◆ Adjustable Battery Design,
- ◆ Flexible Battery Number Configuration and Adjustable Charging Current,
- ◆ Active Power Factor Correction in All Phases,
- ◆ Emergency Power Off Feature (EPO),
- ◆ Generator Compatibility,
- ◆ 50/60 Hz. Frequency Converter Feature,
- ◆ Max. Paralleling up to 4 UPS,

Volt Ex Line

100/120/180/200 kVA

3/3 Online UPS

Max. Paralleling up to 4 UPS

7" Touch Screen

Pluggable Power Modules
for Easy Maintenance

Maintenance
Bypass Switch

Mains Input Switch,
Bypass Switch,
Output Switch

100 – 120 kVA

Pluggable Power
Modules for Easy
Maintenance

180 – 200 kVA

TECHNICAL FEATURES

Capacity	100 kVA / 100 kW	120 kVA / 120 kW	180 kVA / 180 kW	200 kVA / 200 kW
Input				
Input Voltage	3 x 380/400/415 VAC (3P+N)			
Voltage Range	-30% ~ +20%			
Frequency	50/60 Hz. (Smart Sensing)			
Frequency Range	40 ~ 70 Hz			
Power Factor	□ 0.99 (at 100% Load)			
Total Harmonic Distortion (THDI)	<3% (at 100% Load)			
Output				
Output Voltage	3 x 380/400/415 VAC (3P+N)			
Voltage Regulation	±1%			
Frequency Range	48/54 Hz. or 56-64 Hz (Synchronous); 50 / 60 Hz %1 (ominal Fre uancy)			
Wave Form	Full Sine			
Power Factor	1			
Harmonic Distortion	1% (Linear Load); 3% (on-Linear Load)			
Crest Factor	3:1			
Over Load Capacity	100%-110% (1 hr.), 111%-125% (10 min.), 126%-150% (1 min.), >150% (400 msec.)			
Bypass				
Nominal Voltage	3 x 380/400/415 VAC (3P+N)			
Voltage Range	-30% ~ +20% (Adjustable)			
Frequency Range	48/54 Hz. or 56-64 Hz (Synchronous)			
Over Load Capacity	>130% (1 min.)			
Efficiency				
Online Mode	96%			
Battery Mode	96%			
ECO Mode	96%			
Battery				
Nominal Voltage				
Max. Voltage				
Min. Voltage				
Float Charge Voltage				
Boost Charge Voltage				
Temperature Compansation				
Charging Voltage (Max.)				
Typical Charging Time				
System Specifications				
Smart Alarm System	Battery Operation, Battery Low, Fan Error			
Transfer Time	0 ms.			
Display	5 Inch Touch Screen			
Generator Compability	Compatible			
Max. UPS That Can be Connected in Parallel	Up to 6 Pieces (Optional)			
Protection	Short Circuit, Over Load, High Load Voltage, Low Voltage, High Temperature, Fan Failure			
Communication				
RS232 / USB	Compatible with all Windows Operation Systems, Linux and Mac			
SNMP	Optional			
Alarm				
Mains Fault	Audio Warning in 4-second Periods			
Low Battery Voltage	Audio Warning in 1-second Periods			
Over Load	2 Audible Warnings in 1-second Periods			
UPS Fault	Continuous Audible Alert			
Environmental				
Operating Temperature	0 ~ 40°C			
Relative Humudity	0 ~ %95 (non-condensing)			
Altitude	1500 mt.			
IP Protection Class	IP20			
International Safety Standards				
Low Voltage Directive	IEC/E 62040-1			
Electro Magnetic Compability	IEC/E 62040-2 Category C3			
Dimensions and Weight				
Dimensionm WxDxH (mm)				
Net Weight (Kq)				

Dotvolt A.S. has the right to change the model, visual and technical specification information of the products without prior notice.