

The **Volt MN Line** is a professional-grade series of **1/1 Online UPS** systems (single-phase input/single-phase output) designed for high-frequency, double-conversion power protection.



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

- ◆ High Frequency and True Double-Conversion
- ◆ DSP (Digital Signal Processors) Technology
- ◆ Input Power Factor Correction (PFC)
- ◆ Wide Input Voltage Range (110~300V)
- ◆ Output Power Factor 0.9
- ◆ Cold Start
- ◆ Auto Start
- ◆ Automatic Charging in Off Mode
- ◆ Auto Sensing Frequency
- ◆ ECO Mode Operation for Energy Saving
- ◆ Load Sensing Fan Speed
- ◆ Advanced Battery Management (ABM)
- ◆ Short Circuit and Overload Protection
- ◆ Generator Combability
- ◆ Standard RS232 Communication Port and RJ45 Protection
- ◆ USB/SNMP Communication Port (Optional)
- ◆ Emergency Power Off (EPO) (Optional)

TECHNICAL FEATURES

Capacity / Power	1 kVA / 900 W		2 kVA / 1800 W	3 kVA / 2700 W
Input				
Input Voltage	208V / 220V / 230V / 240 VAC			
Operating Voltage Range	110 ~ 176 VAC (Lineer Decline at 50% and 100% Load); 176 ~ 280 VAC (No Decline); 280 ~ 300VAC (50% Decline)			
Operating Frequency Range	40 ~ 70 Hz (Automatic Sensing)			
Power Factor	≥ 0.99			
Bypass Voltage Range	-25% ~ +15% (Selectable)			
Generator Compability	Compatible			
Output				
Output Voltage	208V / 220V / 230V / 240 VAC (Selectable)			
Voltage Regulation	±1%			
Frequency Range	45 ~ 55 Hz or 55 ~ 65 Hz (Synchronized); 50 / 60 Hz ±0.1 Hz (Battery Mode)			
Wave Form	Sine Wave			
Crest Factor	3:1			
Harmonic Distortion	≤2% (At Lineer Load); ≤5% (At Non Lineer Load)			
Transfer Time	Online Mode - Battery Mode: 0 ms Inverter Mode - Bypass Mode: 4 ms (Typical)			
Over Load Capacity	105% ~ 125%: 1dk (Then to Bypass) 125% ~ 150%: 30sn (Then to Bypass)			
	>150%: 300ms (Then to Bypass)	105% ~ 125%: 1dk (Then to Bypass)	125% ~ 150%: 30sn (Then to Bypass)	
	>150%: 300ms (Then to Bypass)	105% ~ 125%: 1dk (Then to Bypass)	125% ~ 150%: 30sn (Then to Bypass)	
		>150%: 300ms (Then to Bypass)		
Efficiency				
Online Mode	≥90%	≥91%	≥92%	
Battery Mode	≥85%	≥86%	≥87%	
ECO Mode	≥95%	≥96%	≥97%	
Battery				
Battery Voltage	24V	48V	72V	
Internal Battery	2X7Ah	4X7AH	6X7AH	
Charging Current (max.)	1A	1A	1A	
Typical Charging Time	8 Hour			
System Specifications				
Charging Current	Smart Charging System			
Smart Alarm System	Available			
LED / LCD Display	LCD Screen			
Alarm				
Online Mode Fault	Audible Alarm at 4 sec Periods			
Low Battery Voltage	Audible Alarm at 1 sec Periods			
Over Load	2 Times Audible Alarm at 1 sec Periods			
UPS Fault	Continuous Audible Alarm			
Enviromental				
Operating Temperature	0 ~ 40°C			
Relative Humidity	0 ~ 90% (Non Condensing)			
Noise Level	≤45 dB (1m)			
Communication				
RS232 (Standard) / USB (Optional)	Windows®98/2000/2003/XP/Vista/2008/Windows®7/8/10			
SNMP (Optional)	Power Management with SNMP and Web Browser			
International Safety Standards				
Low Voltage Directive-LVD	Compatible to Related CE Standarts			
Electro Magnetic Compability-EMC	Compatible to Related CE Standarts			
Dimensions & Weight				
WxDxH (mm)	114x410x215	190x425x341	190x452x341	
Net Weight (kg)	13	25	29	

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