

The **Volt TM Line** is an online, high-frequency uninterruptible power supply (UPS) series featuring 3-level technology. It is designed for applications requiring a three-phase input and a single-phase output (3/1 configuration), available in 10, 15, and 20 kVA capacities.



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 3-Level Technology
- ◆ DSP (Digital Signal Processor) Technology
- ◆ Both 3-Phase and Single-Phase Input
- ◆ Wide Input Voltage Range (110~300V)
- ◆ Output Power Factor = 0.9
- ◆ Cold Start (Starting from Battery without Mains)
- ◆ Automatic Frequency Sensing
- ◆ ECO Mode for High Energy Savings
- ◆ 50Hz/60Hz Frequency Conversion Mode
- ◆ Power-On Self-Test
- ◆ Advanced Battery Management (ABM)
- ◆ Short Circuit and Overload Protection
- ◆ Automatic Battery Charging in Off Mode
- ◆ Load-Sensitive Intelligent Fan Control
- ◆ Perfect Generator Compatibility



EV OFİS



VERİ MERKEZİ



MEDİKAL



ENDÜSTRİ



ULAŞIM



ACİL DURUM

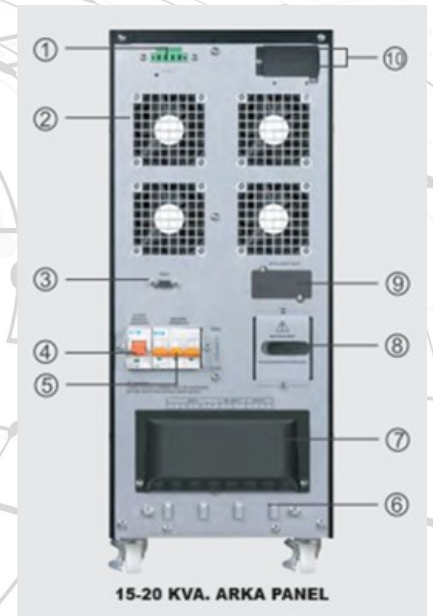
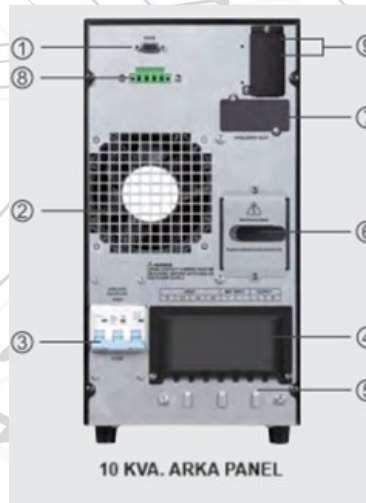


GENERAL FEATURES

- ◆ Standard RS232 / USB Communication Port
- ◆ Standard Emergency Power Off Function (EPO)
- ◆ USB/SNMP Communication Port (Optional)
- ◆ Additional Charger Card; Add-on Battery Unit (Optional)
- ◆ Manual Bypass (Optional) / N+X Paralleling Feature (Optional)
- ◆ Electromagnetic Compatibility, EMC, and LVD CE Certifications
- ◆ 2-YEAR Warranty / 10-Year Spare Parts Warranty

10-15-20 kVA

1. EPO (Optional)
2. FAN
3. RS232
4. Bypass Fuse
5. Input Fuse
6. CABLE Fastening
7. Connection Terminals
8. MAINTENANCE BYPASS (Optional)
9. Communication Slot
10. Parallel Port (Optional)



TECHNICAL FEATURES

MODEL	Dotvolt 3110 TM	Dotvolt 3115 TM	Dotvolt 3120 TM
POWER (VA.)	10.000 VA / 9.000 W	15.000 VA / 13.500 W	20.000 VA / 18.000 W
GİRİŞ			
Income	3/1 PHASE or 1/1 PHASE		
Voltage Range	1 PHASE INPUT; 100% Linear Load (176-275) ± 5Vac., 50% Linear Load (120-176) ± 5Vac. 3 PHASE INPUT; 100% Linear Load (304-476) ± 5Vac., 50% Linear Load (208-304) ± 5Vac.		
Frequency	50/60 Hz.		
Frequency Range	40Hz-70Hz / (45Hz-55Hz 54Hz-66Hz @ Load>60% and 1 Phase input / 1 phase output)		
Input Power Factor	3 PHASE INPUT ≥ 0.9 / 1 PHASE INPUT ≥ 0.9		
Total Harmonic Distortion (THDI)	Linear Load ≤ 2% / Non-Linear Load ≤ 4%		
EXIT			
Income	220 / 230 / 240 Vac. – LCD Panelden ayarlanabilir		
Voltage Regulation	± % 1		
Frequency	50 / 60 Hz.		
Waveform / Output PF	Full Sine / cos@=0.9		
Crest Factor	3:1		
Total Harmonic Distortion (THDV)	Linear Load ≤ 1%; Non-Linear Load ≤ 5%		
Transfer Time	0ms (Line- Battery)		
Overload Capacity	Continues to work at 100% - 105% Load 105-125% Load for 1 Min. 30 sec. at 125-150% Load. >150% Load 0.5 sec.		
YIELD			
On-Line Modda	≥ %94		
ECO Modda	≥ %98		
BATTERY			
BATTERY VOLTAGE	192 Vdc.	192 / 216 / 240 Vdc.	
Battery Quantity	16	16 / 18 / 20 PCS Adjustable from LCD Panel	
Battery Charge Current	4 A.		
Battery Charging Time	According to Battery Capacity		
INTERFACE / OPTIONAL FEATURES			
Display	LCD		
USB	NO		
RS 232	YES		
EPO	Optional		
Communication Slot	Opsiyonel		
Monitör Software	Winpower		
PARALLEL WORK	3 PIECES (Optional)		
Frequency Converter Mode	YES (1 Phase Input / 1 Phase Output Works, 60% Power Decrease)		

TECHNICAL FEATURES

ENVIRONMENT

Operating Temperature / Humidity / Protection	0 °C- 40 °C
Moisture	20%-90% (Without Condensation)
Audible Noise	≤ 60 Db (at 1 meter distance)
Protection Class	IP 20
Working Height	0-3000m (1% power loss every 100m)

STANDARDS

CE	CE / IEC / EN 62040	
EMI	Conduction / Radiation	C3
	ESD	IEC / EN 61000-4-2 – LEVEL 3
	RS	IEC / EN 61000-4-3 – LEVEL 3
	EFT	IEC / EN 61000-4-4 – LEVEL 4
	SURGE	IEC / EN 61000-4-5 – LEVEL 4

ACCESSORIES

Maintenance Bypass	Optional
EBM Cable	YES
User Manual	YES
RS 232 Cable	YES
Input Cable	NO
Output Cable	NO

DIMENSIONS

Dimensions (WxDxH)	212 x 500 x 420	248 x 500 x 565	248 x 500 x 616
Net Weight (Kg)	16,9	31	31
Gross Weight (Kg)	20	35	35

