

## ONLINE UPS 1/1 PHASE 1-3 KVA

VEGA 1000 SERIES UPS systems are developed with the latest power conversion technologies and high quality components to ensure maximum protection for critical loads, optimized energy efficiency, and zero interference with connected systems.

This range covers 1–3 kVA single-phase input/single-phase output models based on online double conversion topology (VFI – Voltage and Frequency Independent) with three level IGBT inverter architecture for superior efficiency and reliability.

### GENERAL SPECIFICATIONS

- Latest three-level inverter architecture
- High operational efficiency
- Pure sinewave output
- Advanced digital control interface
- Remote emergency power-off (EPO) capability
- RS-232 and USB communication ports
- Cold start functionality
- Protection against voltage transients and spikes
- Built-in self-diagnostics
- Intelligent battery
- Overload and short-circuit protection
- Excellent output voltage stability



### APPLICATIONS



**1:1 PHASE  
3-LEVEL**

## ONLINE UPS 1/1 PHASE 1-3 KVA

MODEL	VEGA1001-PF1 VEGA1001-PF2	VEGA1002-PF1 VEGA1002-PF2	VEGA1003-PF1 VEGA1003-PF2
<b>General</b>			
Nominal Power (KVA)	1	2	3
Technology	OnLine Double Conversion	Three Level OnLine Double Conversion	
Waveform	Sinusoidal		
Architecture	Standalone		
<b>Input</b>			
Input Voltage	220/230/240 Vac 1PH+N+PE		
Input Frequency	50/60 Hz $\pm$ 5% (Auto Sensing)		
Voltage Tolerance (%100 load)	-20%, +20%		
Input Power Factor	$\geq$ 0,99		
<b>Output</b>			
Output Voltage	220/230/240 Vac 1 Ph+N+PE		
Output Frequency	50/60 Hz		
Efficiency (AC-AC)	Up to 90 @ 100% Load	Up to 95% (@ 50% Load) Up to 93% (@ 100% Load)	
Over Load	125% 60 Sec, 150% 10 Sec		
Crest Factor	3:1		
Output Power Factor	1 (PF1 Model) / 0,9 (PF2 Model)		
Output Voltage THD	<2% (Full Linear Load)		
Transfer Time	0 ms - Online to Battery 4 ms - Inverter to Bypass		
Eco Mode	Optional		
Frequency Converter Operation	Optional		
<b>Battery &amp; Charger</b>			
Battery Types	12V VRLA-AGM (GEL & Li-ion Optional)		
Battery Test	Automatic		
Charge Current	1 - 4A (Adjustable)		
Charge Time	6/8 Hours		
Charge Voltage	24VDC	48VDC	72VDC or 96VDC
Quantity	2 x 7/9 Ah	4 x 7/9 Ah	6 x 7/9 Ah or 8 x 7/9 Ah
<b>Communication</b>			
Standard	RS-232 and USB		
Optionals	SNMP, Modbus, Dry Contacts, EPO		
<b>Environmental</b>			
Operating Temperature	0°C - 40°C		
Storage Temperature	-25°C+ 55°C		
Relative Humidity	< 95% non condensing		
Noise (@ 1 Meter)	<45 dBA		
Altitude	< 1000m		
<b>Physical</b>			
Dimensions H x W x D (mm)	336 x 144 x 214	419 x 193 x 341	
Net Weight (Kg)	11	18	22 (6 Batteries) 26 (8 Batteries)