ONLINE UPS 3/3 PHASE 300-1000 KVA

The VEGA 3000 Series three phase UPS engineered to deliver premium power protection with exceptionally low total cost of ownership, high operating efficiency and compact physical design.

VEGA 3000 is developed to satisfy future ready energy performance demands providing top class efficiency in VFI mode and noticeably reduced operating expenses across the product lifetime. Thanks to its smart efficiency management strategy, VEGA 3000 maintains excellent efficiency values even under partial load conditions.

With its unity power factor capability and scalable architecture, VEGA 3000 is the ideal high-availability power protection solution for industrial systems, data center environments and all enterprise class IT infrastructures that require guaranteed business continuity.

GENERAL SPECIFICATIONS

- Three level IGBT topology
- True online double conversion
- Unity output power factor (1 kW = 1 kVA)
- IGBT PWM Rectifier & Inverter
- Efficiency up to 95 %, Eco-Mode up to 98 %
- Low input current THD (≤ 3 %), input PF > 0.99
- Cold start capability
- Smart battery charger
- Temperature compensated three stage charging
- Wide input voltage window
- Frequency converter operation (50/60 Hz)
- Short circuit, overload, surge, lightning protections
- Parallel operation up to 8 units
- 256 Event real time log
- Built-in static & manual bypass
- Intelligent fan speed control for extended service life
- SNMP, RS-485/Modbus, RS-232, dry contacts
- Remote monitoring & management software
- Emergency power off (EPO)
- Generator soft-start compatibility

APPLICATIONS

3:3 PHASE
3-LEVEL

ONLINE UPS 3/3 PHASE 300-1000 KVA

MODEL	VEGA3300-PF1	VEGA3400-PF1 VEGA3400-PF2 VEGA3400-PF3	VEGA3500-PF1 VEGA3500-PF2 VEGA3500-PF3	VEGA3600-PF1 VEGA3600-PF2 VEGA3600-PF3	VEGA3800-PF1 VEGA3800-PF2 VEGA3800-PF3	VEGA31000-PF2 VEGA31000-PF3
General						
Nominal Power (kVA)	300	400	500	600	800	1000
Technology	Three Level OnLine Double Conversion					
Waveform	Sinusoidal					
Architecture	Standalone / Parallel (Optional)					
Input						
Input voltage	380/400/415 Vac 3PH+N+PE					
Input frequency	45-65 Hz					
Voltage Tolerance (%100 load)	±20%					
Voltage Tolerance (%50 load)	-36%, +20%					
Input Power Factor	≥0,99					
Input Current THD	≤3%					
Output						
Output Voltage	380/400/415 Vac 3PH+N+PE ± 1%					
Efficiency (AC-AC)	Up to 96% (@ 100% Load)					
Ecomode Efficiency	Up to 98% (Optional)					
Nominal Output Frequency	50/60Hz +0,01 Free Run (Adjustable) (Optional)					
Crest Factor	3:1					
Output Power Factor	1 (PF1 Model) / 0,9 (PF2 Model) / 0,8 (PF3 Model)					
Output Voltage THD	<2% Linear Load & 5% Non-Linear Load					
Bypass						
Bypass	Built in Automatic & Maintenance Bypass					
Overload	150% load for 1 Minutes					
Voltage Tolerance	± 10%					
Transfer Time	0 ms					
Battery & Charger						
Battery Types	VRLA-AGM (GEL / NiCd / Li-ion Optioanl)					
Battery Test	Automatic or Manual					
Charge Time	<6h-8h					
Quantity (External Cabinet)	40 - 46 pcs					
Communication & Accessories						
Display Type	Graphical LCD, Status LEDS					
Communication Ports (Optionals)	RS485, Modbus , USB, SNMP, GSM Modem, Relay Contacts, Input Contacts, Gensets, Jbus, Profibus					
Battery Temperature Sensor Input	Available					
Emergency Power Off (EPO)	Available					
Accessories (Optionals)	Galvanic Isolation Transformer, Remote Monitoring Panel					
Enviromental						
Operating Temperature	0°C - 40°C					
Storage Temperature	-15°C+ 55°C					
Relative Humidity	< 95% non condensing					
Noise (@ 1 Meter)	<68 dBA			<72 dBA		
Altitude	< 1000m					
Protection Class	IP 20 (Higher Ratings are Optional)					
Physical						
Dimensions H x W x D (mm)	1724 x 1663 x 884				1950 x 2950 x 930	
Net Weight (Kg)	600	660 PF1 620 PF2 & PF3	700 PF1 640 PF2 & PF3	800 PF1 750 PF2 & PF3	1050 PF1 900 PF2 & PF3	1200 PF1 1050 PF2 & PF3
Compliance						
Standards	EN 62040-1-1 (Safety), EN 62040-2 (EMC), EN 62040-3 (Performance)					