ONLINE UPS 3/3 PHASE 80-300 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 80-300 KVA

MODEL	VEGA3080-MS-PF1	VEGA3100-MS-PF1 VEGA3100-MS-PF2 VEGA3100-MS-PF3	VEGA3120-MS-PF1 VEGA3120-MS-PF2 VEGA3120-MS-PF3	VEGA3160-PF1 VEGA3160-PF2 VEGA3160-PF3	VEGA3200-PF1 VEGA3200-PF2 VEGA3200-PF3	VEGA3250-PF1 VEGA3250-PF2 VEGA3250-PF3	VEGA3300-PF2 VEGA3300-PF3
General							
Nominal Power (kVA)	80	100	120	160	200	250	300
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)	<62 dBA				<65 dBA		
Altitude	< 1000m						
Protection Class	IP 20 (Higher Ratings are Optional)						
Physical							
Dimensions H x W x D (mm)	1402x 543 x 928 1402 x 643 x 1014 (160 kVa PF1)				1402 x 643 x 1014 (PF2&PF3) (D: 820 PF1)	1402 x 820 x 1014	
Net Weight (Kg)	245	250	255	260	270	310	315
Compliance							
Standards	EN 62040-1-1 (Safety), EN 62040-2 (EMC), EN 62040-3 (Performance)						