

# Online GVN-DSP Premium Series



UPS

## True On-Line "Double Conversion" Technology DSP Controlled, IGBT Rectifier UPS 3 Phase Input / 3 Phase Output 10 - 400 kVA

- IGBT rectifier / - IGBT inverter / - DSP controlled processor
- Active input power factor correction, PFC (PF 0.99)
- Active harmonic correction (THDI <3%) / - Wide input voltage range / - Eco mode efficiency  $\geq$  98%
- Backup and power boost thanks to Parallelism
- Intelligent battery charging system and Increase battery life
- Soft Start feature / - 512 event memories / - Galvanic isolation and special voltage application options
- Communication with computer and network systems (SNMP)
- Low installation and operating cost / - 2 years full warranty in accordance with ISO 9001, ISO 14001, ISO 18001 and CE standards

### GVN-DSP Premium Series Technical Specifications

MODEL	33010	33015	33020	33030	33040	33060	33080	33100	33120	33160	33200	33250	33300	33400	
Output Power(kVA)	10	15	20	30	40	60	80	100	120	160	200	250	300	400	
Nominal Active Power(kW)	9	13,5	18	27	36	54	72	90	108	144	180	225	270	360	
<b>INPUT</b>															
Number of Phases	3P + N + PE														
Nominal Voltage	400V (380V-415V)														
Voltage Tolerance (100% load)	(-15)% (+22)%														
Voltage Tolerance (64% overload)	(-45)% (+22)%														
Voltage Tolerance (42% Load)	(-64)% (+22)%														
Nominal Frequency (Hz)	50 Hz / 60 Hz														
Frequency Tolerance (Online Working)	$\pm$ 10														
Input Current THD *	<3														
Input Power Factor	0.99														
<b>OUTPUT</b>															
Number of Phases	3P+N+PE														
Output Power Factor	0,9														
Nominal Voltage	380V / 400V / 415V														
Static Voltage Regulation at 100% Load Linear Load	<1														
Voltage THD (linear load)	<2														
Crest Factor	3:1														
Frequency (Hz)	50 Hz / 60 Hz														
Frequency Tolerance	$\pm$ 0,01														
Overload	125% load for 10 minutes, 150% load for 1 minute														
Yield*	Up to 95%														
<b>STATIC BY-PASS LINE</b>															
Number of Phases	3P+N+PE														
Voltage Tolerance for Bypass Operation	$\pm$ 10														
Frequency Tolerance for Bypass Operation	47 Hz - 53 Hz (Adjustable)														
<b>BATTERY</b>															
Type	Maintenance-free dry type														
Number of Batteries	62 pieces (2x31) 60 pieces (2x30)														
Battery Protection	Deep Discharge Protection, Heat Compensated Battery Charging														
Battery Test	Standard (Automatic and Manual)														
<b>INDICATOR</b>															
3,5 " Graphic Touch	On the graphic battery diagram Mains, Bypass, Battery, Inverter, Load Indicator Load%, Input / Output / Bypass voltage, Output Power (W & amp; VA), Output Current, Output Power Factor, Battery voltage values, Input / Output frequency, DC bus voltage, remaining battery life, internal temperature, coolant temperature														
<b>COMMUNICATION</b>															
Interface (Communication Port)	RS232 & RS485 (ModBus)														
Dry Contact Connection	Adjustable front panel 4 relay contacts														
Other	EPO (Emergency Disconnect Button), Generator Interface														
<b>ENVIRONMENTAL CONDITIONS</b>															
Storage Temperature Range (° C)	-25 ° C $\pm$ 55 ° C (recommended temperature for long battery life of 15 - 40 ° C)														
Operating Temperature Range (° C)	0 - 40 ° C (recommended temperature for long battery life of 20 - 25 ° C)														
Humidity	0-95% (without choking)														
Working Height	1000 m														
Protection Class	IP20														
Noise (1m away)	< 55dBA			< 58dBA			< 62dBA			< 67dBA					
<b>PHYSICAL PROPERTY</b>															
Output Power (kVA)	10	15	20	30	40	60	80	100	120	160	200	250	300	400	
Dimensions (cm) LxDxH	40x78x107			52x90x130			67x73x163			85x78x182			98x87x195		
Weight (kg)	100	114	116	122	180	253	285	405	522	570	735	825	900	925	
<b>STANDARDS</b>															
EN 62040-1-1 (Security), EN 62040-2 (EMC), EN 62040-3 (VFI-SS-111)															
<b>OPTIONS</b>															
Paralleling Kit, SNMP (Internal or External), External by-pass, Remote Monitoring Panel, Isolation Transformer, Battery Cabinet, IP21 Protection Class															

\* The device depends on the power and ambient conditions.