

Online GVN-DSP T Series

UPS



True On-Line "Double Conversion" Technology DSP Controlled, IGBT Rectifier UPS 3 Phase Input / 3 Phase Output 10 - 300 kVA

- IGBT rectifier / - IGBT inverter / - DSP controlled processor
- Active input power factor correction, PFC (PF 0.99)
- Active harmonic correction (THDI \leq 4%) / - Wide input voltage range
- Compatible with the generator / - Energy saving mode (ECOMODE)
- Backup and power boost thanks to Parallelism
- Intelligent battery charging system / - Easy synchronization with external sources
- Static and manual bypass as standard / - Standard isolation Transformer
- Communication with computer and network systems (SNMP)
- Increased battery supply time / - Low installation and operating cost

GVN-DSP T Series Technical Specifications

| MODEL | GVN-DSP T 33010 | GVN-DSP T 33015 | GVN-DSP T 33020 | GVN-DSP T 33030 | GVN-DSP T 33040 | GVN-DSP T 33045 | GVN-DSP T 33060 | GVN-DSP T 33080 | GVN-DSP T 33100 | GVN-DSP T 33120 | GVN-DSP T 33160 | GVN-DSP T 33200 | GVN-DSP T 33250 | GVN-DSP T 33300 | | | | | | | | | | |
|--|---|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-----|--|------|--|------|--|------|--|------|--|
| Input Power (kVA) | 10 | 15 | 20 | 30 | 40 | 45 | 60 | 80 | 100 | 120 | 160 | 200 | 250 | 300 | | | | | | | | | | |
| Nominal Aktif Güç (kW) | 8 | 12 | 16 | 24 | 32 | 36 | 48 | 64 | 80 | 96 | 128 | 160 | 200 | 240 | | | | | | | | | | |
| INPUT | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of phase | 3P + N + PE | | | | | | | | | | | | | | | | | | | | | | | |
| Nominal Voltage | 380V / 400V / 415V | | | | | | | | | | | | | | | | | | | | | | | |
| Voltage Tolerance (100% load) | -%15 +%27 | | | | | | | | | | | | | | | | | | | | | | | |
| Voltage Tolerance (64% overload) | -%45 +%27 | | | | | | | | | | | | | | | | | | | | | | | |
| Voltage tolerance (42% load) | -%64 +%27 | | | | | | | | | | | | | | | | | | | | | | | |
| Nominal frequency (Hz) | 50 Hz / 60 Hz | | | | | | | | | | | | | | | | | | | | | | | |
| Frequency Tolerance (Online Working) | \pm %10 | | | | | | | | | | | | | | | | | | | | | | | |
| Input Current THD * | \leq %4 | | | | | | | | | | | | | | | | | | | | | | | |
| Input Power Factor | 0.99 | | | | | | | | | | | | | | | | | | | | | | | |
| OUTPUT | | | | | | | | | | | | | | | | | | | | | | | | |
| Output Power Factor | 0,8 | | | | | | | | | | | | | | | | | | | | | | | |
| Number of phase | 3P+N+PE | | | | | | | | | | | | | | | | | | | | | | | |
| Nominal Voltage | 380V / 400V / 415V | | | | | | | | | | | | | | | | | | | | | | | |
| 100% overload Static Voltage Regulation Linear Load (online & battery mode) | $<$ %1 | | | | | | | | | | | | | | | | | | | | | | | |
| Voltage THD (linear load) | $<$ %1,5 | | | | | | | | | | | | | | | | | | | | | | | |
| 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 92% | | | | | | | | | | | | | | | | | | | | | | | |
| STATIC BY-PASS LINE | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of phase | 3P+N+PE | | | | | | | | | | | | | | | | | | | | | | | |
| Voltage Tolerance for Bypass Operation | 220V / 230V/240V(P-N) \pm %10 | | | | | | | | | | | | | | | | | | | | | | | |
| Frequency Tolerance for Bypass Operation | 47 Hz - 53 Hz (Adjustable) | | | | | | | | | | | | | | | | | | | | | | | |
| BATTERY | | | | | | | | | | | | | | | | | | | | | | | | |
| Type | Maintenance-free dry type | | | | | | | | | | | | | | | | | | | | | | | |
| Number of Batteries | 54 PCS (2x27) | | | | | | | | | | | | | | | | | | | | | | | |
| Battery Protection | Deep Discharge Protection, Heat Compensated Battery Charging | | | | | | | | | | | | | | | | | | | | | | | |
| Battery Test | Standard (Automatic and Manual) | | | | | | | | | | | | | | | | | | | | | | | |
| COMMUNICATION | | | | | | | | | | | | | | | | | | | | | | | | |
| Interface (Communication Port) | RS232 & RS422 | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Contact Connection | Mains Fail, Battery Low, Bypass Operation, Output Fail | | | | | | | | | | | | | | | | | | | | | | | |
| Others | EPO (Emergency Disconnect Button), Generator Interface | | | | | | | | | | | | | | | | | | | | | | | |
| DISPALY | | | | | | | | | | | | | | | | | | | | | | | | |
| LED Display | Mains, Bypass, Battery, Inverter, Load, Fault Indicators | | | | | | | | | | | | | | | | | | | | | | | |
| LCD Display | Load Percentage, Input Output Frequency, Voltage and Current, Bypass Voltage, Battery Voltage & Current, Temperature, Alarms | | | | | | | | | | | | | | | | | | | | | | | |
| ENVIRONMENTAL CONDITIONS | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 (Maximum m.) | 1000 m | | | | | | | | | | | | | | | | | | | | | | | |
| Protection Class | IP20 | | | | | | | | | | | | | | | | | | | | | | | |
| PHYSICAL PROPERTIES | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions LxDxH(cm) | 40x78x107 | | | | 52x90x130 | | | 64x100x140 | | 76x102,5x168,5 | | 96x108x182 | | 161x108x195 | | | | | | | | | | |
| Weight (kg) | 235 | | 238 | | 273 | | 450 | | 502 | | 625 | | 680 | | 790 | | 1200 | | 1290 | | 1675 | | 1775 | |
| STANDARDS | | | | | | | | | | | | | | | | | | | | | | | | |
| Security | EN62040-1 (Security);EN62040-2 (EMC);EN62040-3 (Performance);EN60950-1 | | | | | | | | | | | | | | | | | | | | | | | |
| OPTIONS | | | | | | | | | | | | | | | | | | | | | | | | |
| | Paralleling Kit, SNMP (Internal or External), External by-pass, Remote Monitoring Panel, Battery Cabinet, IP21 Protection Class | | | | | | | | | | | | | | | | | | | | | | | |

* The device depends on the power and ambient conditions.