

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.