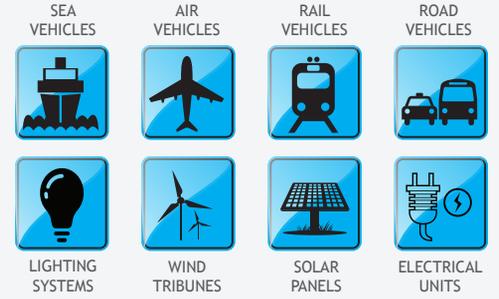


SERVO-INV Series

250 VA - 400 kVA

Static Inverter



GENERAL FEATURES

Full Automatic
Microprocessor Controlled
Maximum Efficiency via IGBT Design
Pure Sinewave Output On-Line Technology
Galvanic Isolation and Switch Mode Design
Wide DC Input Voltage Range (12V ~ 810V)
Low Output THDv < %3
2% Output Voltage Tolerance (Inverter Operation)
High Efficiency Up To 88%
Soft Start Feature for Critical Applications
High Performance on Linear/Non-Linear Loads
High Output Power Factor for The Loads with Different Power Factors
EMI / RFI Filters at Input/Output for Critical Applications
High/Low Voltage, Lightning, Surge Protection
Operation with/without battery
Short Circuit, Overload, Battery Deep Discharge Protection
Easy Monitoring of All Operation Data with LCD Display
Selectable Electrical Settings
Modular Structure

100% Made in TURKEY
Environment Friendly Design
Smallest Dimensions, Silent Operation
Easy Installation and Service
Low Installation and Operational Costs
10 Years Spare Part Availability
7/24 Technical Service and Customer Services

OPTIONAL FEATURES

Smart Communication with RS232 ve SNMP
Warning LEDs and Programmable Dry Contacts
Custom Design and Production for Client' s Need

STANDARDS

CE, ISO 9001:2008

*Uninterrupted Power
Uninterrupted Service*



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SUPERIOR FEATURES

SERVO-INV Series Inverters converts the DC voltage, between 12 ~ 810 VDC, from battery set or rectifier connected, into 220 or 380 VAC and supplies continuous power between 250 VA ~ 400 kVA.

SERVO-INV Series inverters are based on microprocessor control and DSP technology and its ergonomic design makes it the indispensable item for various fields of applications.

Optional isolation transformer at output provides safer and more reliable operation.



TECHNICAL SPECIFICATIONS

| | |
|---------------------------------------|--|
| Model | SERVO INV |
| Power | 250 VA ~ 400 kVA |
| INPUT | |
| Nominal Voltage | 12 ~ 810 VDC |
| DC Input Voltage Range | Varying, Selectable |
| Current on No Load | Varying, based on power |
| OUTPUT | |
| Nominal Voltage | 115 / 200 VAC - 220 / 380 VAC - 254 / 440 VAC |
| Voltage Tolerance | ± 2% (Inverter Operation) |
| Frequency | 50 Hz / 60 Hz ± 0,5 |
| Power Factor | Up To 1 for Different Power Factor Loads |
| Crest Factor | 3:1 |
| Waveform | Pure Sine |
| Continuous Power | > 80% of The Rated Power |
| Overload | 200% |
| GENERAL FEATURES | |
| Technology | Static, Microprocessor Controlled |
| Control | High Frequency PWM Technics, IGBT technology |
| Efficiency | > %85 |
| Protection | Input : Fast Fuses Output : High Voltage, Regenerative Current, Short Circuit, Fast Fuses for Load Protection |
| Overload Operation | 10 ms at 200% load (Selectable) |
| RFI Level | EN62040 |
| CONTROL PANEL | |
| Display | 2x16 Character LCD Display(Different Language Options) / 240x320 Graphical LCD panel (optional) |
| Alert / Event | LED Warnings / Alert / Event Memory (Optional) |
| COMMUNICATION | |
| Remote Monitoring | Advanced Communication over PC via RS232 (Optional) Remote Monitoring via SNMP over TCP/IP (Optional) |
| ENVIRONMENT | |
| Operating / Storage Temperature Range | 0 °C ~ 40 °C / -15 °C ~ +55 °C |
| Relative Humidity | 0% ~ 95% (Non-Condensing) |
| Altitude | ≤ 2000 m |
| Protection Class | IP20 |

SERVO-MATİK Elektronik Sistemler San. Tic. Ltd. Şti. keeps the right to change the information on this document without any notice.