



ENERJİTEM

GÜNEŞ ENERJİSİ, ELEKTRİK VE GÜÇ ÇÖZÜMLERİ



Energy Source of Your Business

PRODUCT RANGE

1)UPS(UNINTERRUPTIBLE POWER SUPPLY)

2)SERVO VOLTAGE REGULATORS

3)STATIC VOLTAGE REGULATORS

4)SOLAR PANELS

5)ELECTRIC VEHICLE CHARGING STATIONS

6)INVERTORS

7)BATTERIES



10 KVA-250 KVA



General features

- Advanced Microprocessor Control
- Real Online Double Conversion
- IGBT Rectifier and Inverter
- Transformerless Design with True Digital Signal Processor Control
- Active Input Power Factor Correction (PF: 0.99)
- Low Input THDi <3% Excellent Generator Compatibility
- Excellent Energy for Your Low Output THDv <3% Loads
- Low Total Harmonic Distortion Level
- Excellent Compatibility with Different Power Factor Loads
- Selectable Input/Output Voltage and Frequency
- Wide Input Voltage Range (160 - 260 VAC)
- High Efficiency Up To 95%
- Ultra High Efficiency (98%) with Smart Eco Mode
- Reliable Parallel / Redundant Operation with Load Synchronization
- Intelligent Fan Control
- EMI / RFI Filter
- Battery Start Feature (Cold Start)
- Short Circuit, High/Low Voltage and Overload Protections
- Adjustable Time for Battery Operation
- Battery Deep Discharge Protection
- Standard Static and Maintenance By-Pass
- Temperature Compensated Battery Charge, Selectable Charge Current
- Advanced Fault Identification, 1000x Warning/Event Memory
- Advanced Communication Options with RS232 / RS485
- 100% MADE IN TURKEY

- Low Installation and Operating Costs
- Easy Maintenance and Service
- 10 Years Spare Parts Availability
- 7/24 Technical Service and Customer Service

Optional features

- Advanced Remote Monitoring and Management with SNMP
- 4 Programmable Dry Contacts
- GPRS Modem / CAN BUS Communication Options
- Easy Scalability with Paralleling
- Microprocessor Controlled Intelligent Battery Management
- Customizable Input/Output Options
- Eco-Friendly Design, Quietest in Class standards
- EN 62040-1 (Safety), EN 62040-2 (EMC)
- TSEK, CE, ISO 9001

10 KVA-250 KVA

**3 Phase Input / 3 Phase Output ; ON - LINE "Double Conversion" Teknoloji
DSP Controlled IGBT Rectifier UPS / 10 KVA. – 250 KVA.**

- *IGBT Rectifier, DSP Controlled Transformerless desing
- *Input Power Factor Correction PFC (>0,99)
- *Low Total Harmonic Distorsion Level, High Efficiency (Up to %95)
- *Wide Input Voltage Range, Generator Compatible Operation, ECO Mode
- *Intelligent battery management system extends the lifetime of batteries
- *Static and Manuel Bypass, Expandable battery blocks, Low installation and operation costs
- *Communications with computers and network systems with SNMP availability



MODEL	TEM	TEM	TEM	TEM	TEM	TEM	TEM	TEM	TEM	TEM	TEM	TEM	TEM
OUTPUT POWER (KVA.)	10	15	20	30	40	45	60	80	100	120	160	200	250
NOM. ACTIVE POWER (KW.)	8	12	16	24	32	36	48	64	80	96	128	160	200
INPUT													
Nominal Voltage (Ph-Ph)	3 FAZ - 380 Vac. / 400 Vac. / 415 Vac.												
Voltage Range (%100 load)	%100 LOAD - 176 / 280 Vac. ± % 5 %50 LOAD - 125 / 280 Vac. ± % 5 %0-25 LOAD - 80/ 280 Vac. ± % 5												
Nominal Frequency (Hz.)	50 / 60 Hz.												
Frequency Range	44 - 66 Hz.												
Input Current THD	< %4						< %5						
Input Power Factor	0,99												
OUTPUT													
Power Factor	0,8												
Voltage (Ph-Ph)	3 FAZ - 380 Vac. / 400 Vac. / 415 Vac.												
Static Voltage Regulation	± % 1												
THD-V	< %3												
Crest Factor	3:1												
Frequency (Hz.)	50 / 60 Hz.												
Free running Frequency (Hz.)	0,01 Hz.												
Overload Capacity	%125 for 10 minutes - %150 for 30 sec												
Efficiency	> %94												
BATTERY													
Battery Quantity	2x31						2x30						
Battery Protection	Depp discharge Protection with Auto cut off												
Battery Test	Standard (Auto & Manuel)												
DISPLAY													
LED Display	Line, Bypass, Battery, Inverter, Load, Fault Indications												
LCD Display	Load Input & output Frequency, Voltage & current, Bypass Voltage, Battery Voltage & current, Temperature, Alarms, History												
STATİK BYPASS													
Voltage Range For Bypass	175 / 253 Vac.												
Frequency Range For Bypass	47-53 Hz. Or 57-63 Hz.												
ENVIRONMENT / COMMUNICATION													
Temperature / Humminty	0 °C- 40 °C (20-25 °C Recommended for Longer Battry life time) - Nem; 0 - %95 (non-condensing)												
Max. Altitude	1.000 M.												
Protection Level	IP 20												
Commications	Standarts RS 232 / Opsiyonel SNMP and ve dry contact signals												
STANDARTS	ISO 9001, ISO 14001, OHSAS 18001, CE												
PHYSICAL SPECIFICATIONS													
Dimensions - WxDxH (cm.)	56*82*128				56*82*128		56*102*130		110*82*160				
Weight (Kg)	115	120	120	138	140	140	165	170	220	235	340	380	420



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