

KEMSAN KPM33-10KVA

Microprocessor Controlled
ON-LINE 10KVA
3Phase input 3Phase output



General Features

- On-line double conversion working.
- Intelligent Eco mode feature (>%97 productivity).
- High performance microprocessor controlled.
- Automatically battery check.
- IGBT Technology, High frequency PWM Technique.
- Static By-pass.
- Uninterruptible maintenance By-pass switch.
- Computer & network interface, KEMSAN Ups software.
- 32 memories for previous alerts and 4 warning report.
- HOT Stand-By Feature (Full security with backup unit).
- Isolated output transformer.
- RS232 connection.
- Internal port for SNMP card option.
- Indicator: 4 lines, 20 characters LCD monitor.
- Quick and on-site service.
- Designing, production and technical service with ISO 9001 certificate.
- 2 years of guarantee.

INPUT	Voltage		220 / 380VAC ± %15 (Adjustable) 3 Phase + Neutral
	Frequency		50 Hz ± %5
	Protection		Current restriction for each phase on redresor input (In x 1.5) + Fuse
	Input power factor		> 0,8 (6 Pulse/standart), > 0.85 (12 Pulse), > 0,99 (PFC Technology)
	Total Harmonic Distortion (THD-I)		< %25 (6 pulse/standart), < % 10 (12 pulse), < % 5 (PFC Technology)
OUTPUT	Voltage		220 / 380 VAC ± %1 (Adjustable) 3 Phase + Neutral
	Frequency		50Hz ± % 0.1 (independent from mains), 50 Hz ± %1 (synchronized working)
	Efficiency		Inverter > % 90, Eco-Mode >%97
	Total Harmonic Distortion (THD-V)		< %3
	Power factor		0,8
	Overload		Load ≤ %150 → 1 minutes , Load > %150 → Static Bypass
	Voltage protection		200VAC-240VAC (Inverter operation limits - Adjustable) 200VAC-240VAC (Eco-mode operation limits - Adjustable) 185VAC-255VAC (Static by-pass operation limits - Adjustable)
	Temperature protection		IGBT Heatsink and Output Transformer temperature protection
	Crest factor		3:1
BAT.	voltage		405 VDC
	unit		30 units (standart)
	time		Optional
PHYSICAL PROPERTIES	AMBIENT	Temperature	0 - 40 °C
		Relative Huminity	%0-95 (Non-condensing)
		Audible Noise	<55 dB (A)
		Operation altitude	2000 m.
	Type of protection		IP21
	Dimensions (mm) (W x D x H)		500 x 620 x 1300
	Weight (without battery) (kg)		205
GENERAL PROPERTIES	Display		4 lines, 20 characters LCD monitor, Line, charge, discharge, Eco mode, Inverter, Bypass, Manual By-Pass, LED mimic diagram
	Warnings		32 memories for previous alerts (name, date, time), 4 fault report
	Working type		Online double conversion - microprocessor controlled
	RFI level		EN50091-2
	Eco -mode		Enhanced Intelligent ECO MODE feature,
	Technology		High frequency PWM technique, IGBT technology
	Communication		KEMSANUPS server, terminal programs & RS232 cable is standard, Remote control over Internet or Ethernet by SNMP card and static TCP/IP number (optional).
STATIC BYPASS	Input limit		185VAC-255VAC (adjustable)
	Transfer time		0 ms
	Overload		%200 (adjustable), 10ms %2000, Fuse