

KEMSAN KPM33-20KVA

Microprocessor Controlled
ON-LINE 20KVA
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 $\pm$ %15 (Adjustable) 3 Phase + Neutral
	Frequency	50 Hz $\pm$ %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 $\pm$ %1 (Adjustable) 3 Phase + Neutral
	Frequency	50Hz $\pm$ % 0.1 (independent from mains), 50 Hz $\pm$ %1 (synchronized working)
	Efficiency	Inverter > % 90, Eco-Mode >%97
	Total Harmonic Distortion (THD-V)	< %3
	Power factor	0,8
	Overload	Load $\leq$ %150 $\rightarrow$ 1 minutes , Load > %150 $\rightarrow$ 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
BAT.	Crest factor	3:1
	voltage	405 VDC
	unit	30 units (standart)
PHYSICAL PROPERTIES	time	Optional
	AMBIENT	Temperature
		Relative Humidity
		Audible Noise
		Operation altitude
	Type of protection	IP21
	Dimensions (mm) (W x D x H)	500 x 620 x 1300
GENERAL PROPERTIES	Weight (without battery) (kg)	305
	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
STATIC BYPASS	Communication	KEMSANUPS server, terminal programs & RS232 cable is standard, Remote control over Internet or Ethernet by SNMP card and static TCP/IP number (optional).
	Input limit	185VAC-255VAC (adjustable)
	Transfer time	0 ms
	Overload	%200 (adjustable), 10ms %2000, Fuse