Manufacturer of True Sine Wave Power Inverters and Related Products

KC SERIES 1U & 2U POWER INVERTERS



- **EXPANDABLE**
- **REMOTE SWITCHING**
- **TRUE SINE WAVE**
- **“HOT” INSERTABLE**
- **1000 WATT MODULES**
- **OPTIONAL SNMP**

Exeltech’s KC Series inverter systems are available in 19’’ and 23’’ rackmount options and are equipped with 1kW power modules. Power modules are "hot" insertable, power levels are expandable, and modules can be added or replaced without interruption in power to your critical loads (At least 2 power modules required).

The KC Series 1U system can be configured for power levels from 1kW to 3kW or 2U stacked configurations with 1kW to 3kW. Systems are single phase with 24VDC, 48VDC, or 108VDC inputs and 120VAC, 208VAC or 240VAC output options available.

A Static Transfer Switch or Monitoring Module plus up to 3 1kW power modules combine to make a standard KC Series inverter system. This type of system can be expanded as power requirements increase. The KC Series inverter system can be configured with Exeltech’s 3kW Static Transfer Switch and Maintenance Bypass Switch, to ensure uninterrupted AC supply to sensitive electronic equipment.

Output voltage is precisely regulated, so that no measurable voltage change occurs on the output as input voltage fluctuates. Similarly, less than 0.5 volt change in output voltage will occur when the output load varies from 0 to 100% of rated power. With distortion of 2% maximum, this inverter offers the cleanest sine wave power available.

KC SERIES POWER INVERTER SPECIFICATIONS

INPUT POWER (PER EACH POWER MODULE)

MODEL VOLTAGE	MINIMUM (TYPICAL)	SYSTEM (TYPICAL)	MAXIMUM (TYPICAL)	TYPICAL EFFICIENCY @ FULL POWER	PEAK EFFICIENCY @ 1/2 POWER
24V	20.8V	27.6V	30V	> 89%	> 91%
48V	41.6V	55.2V	60V	> 89%	> 91%
108V	93.6V	124.2V	135V	> 89%	> 91%

PROTECTION CIRCUITRY

Over Voltage:	Shutoff at maximum input voltage, per input table.
Under Voltage:	Shutoff at minimum input voltage, per input table.
Thermal:	Shuts off due to over temperature condition.
Output Short:	Unit shuts off: electronically limited. Manual reset required.

OUTPUT POWER (PER EACH POWER MODULE)

CONTINUOUS POWER	SURGE POWER (3 seconds)	NO LOAD POWER	OUTPUT VOLTAGE	OUTPUT CURRENT	WEIGHT LBS.
1000W	2000W	9W	120V +/-2%	8.3 A	3.8

ENVIRONMENTAL

Temperature:	-25°C to +40°C full power, derated -25% per 10°C above 40°C.
Humidity:	5 to 95% non-condensing
Altitude:	-60m to 3,048m (-197ft. To 10,000ft.) Altitudes >10,000ft. thermally derate from 40°C to 30°C.
Cooling:	Thermostatically controlled variable speed forced air.
Warranty:	Full year parts and labor.

GENERAL

CONDITIONS	MINIMUM	TYPICAL	MAXIMUM
WAVEFORM	-	SINUSOIDAL	-
LINE REGULATION	-	.1%	2%
LOAD REGULATION	-	1%	2%
DISTORTION	-	1.5%	2%
FREQUENCY	-.1%	60Hz	+.1%

MECHANICAL

Two case sizes are available:
All are 1.75" high X 16" deep.

19 inch Wide:	(includes hardware for rack or shelf mounting)
23 inch Wide:	(includes hardware for rack or shelf mounting)

PHYSICAL SPECIFICATIONS

Power Module Dimensions: **1.7**" x **7**" x **12.7**" (H x W x D)

Weight: 3.8 lbs

*See ***www.exeltech.com*** for more data regarding KC Series Inverters.