

UNINTERRUPTIBLE POWER SYSTEMS



XT



Black Gold Series

2 kVA Single-Phase Rackmount UPS

- Complete Front Access
- Hot-Swappable Battery
- Industrial Grade Steel Construction
- Built-in Isolation Transformer
- True On-line
- Power Factor Correction
- Vibration and Shock Tested

Reliability in motion™

BUILT FOR EXTREME ENVIRONMENTS

Toshiba's Black Gold UPS is built for harsh industrial environments subjected to shock and vibration. The Black Gold Series features a robust steel enclosure (3U), an intelligent LED status display, an input isolation transformer, hot-swappable slide-out battery modules, front output receptacle breakers, RS-232C and remote contacts. This system combines true on-line technology, state-of-the-art electronics and the Toshiba name to offer one of the most reliable UPS on the market.

Black Gold Series Specifications			
General Information	Model Number	UC1A1A020C6RKBIG	UC1E1E020C5RKBIG
	Rated Output Capacity	2000 VA (1400 W)	
	External Dimensions (W x D x H)	16.75 in x 24.0 in x 5.25 in (425 mm x 610 mm x 133 mm)	
Input	Rated Voltage	120 VAC, Single Phase	230 VAC, Single Phase
	Voltage Variation	+10% to -30%	
	Rated Frequency	50/60 Hz	
	Power Factor	Greater than .98 when in inverter mode	
	Harmonic Currents	Less than 5% THD	
Battery	DC Nominal (Voltage Range)	72 VDC (57.6 – 82.8 VDC)	
	Float Charge (Regulation)	82.8 VDC (±2%)	
	Ripple Voltage	0.5 % R.M.S.	
	Rated Back-up Time when fully charged at 77°F (25°C)	6 min at full load 18 min at half load	
	Recharge Time	Maximum 24 hrs to 100% (90% recharge after 8 hrs)	
	Rated Charge Time	0.40 Amps	
	Type of Batteries	Sealed lead-acid	
Output	Rated Voltage (Single Phase)	120 VAC	230 VAC
	Output Voltage Regulation	±3%, steady state	
	Output Frequency	50/60 Hz ±0.5% in free running mode (Line sync range ±1 Hz)	
	Output Voltage Waveform	Computer-grade sinewave with less than 3.0% THD	
	Rated Current (RMS)	16.6 Amps	8.6 Amps
	Rated Power Factor	.7 lagging	
	Maximum Overload Capacity	150% for 60 sec	
	Voltage Transient Characteristic	± 5% under 100% load step change	
	Crest Factor	3.0	
Environment	Operating Temperature	32 to 104°F (0 to 40°C), optimal at 77°F (25°C)	
	Storage Temperature	-4 to 104°F (-20 to 40°C)	
	Operating Humidity	30% to 90% (no condensation)	
	Altitude	Less than 3000 ft (1000 m) above sea level	
	Net Weight	119 lbs (54 kg)	111 lbs (50 kg)
	Acoustical Noise	<45 dB at maximum output, measured 3.3 ft (1 m) from front panel	
	Efficiency (AC-DC-AC)	82%	
Bypass	An automatic transfer of load to bypass switch (< 4mS-transfer time) may be caused by an overload of the inverter output, or by an internal fault condition. Also, the load can be manually transferred to bypass by putting the rocker switch in the STOP position.		
Interface	Dry Contact	Bypass, battery low, and on-line signals	DB9 male connector
	RS232 ASCII	Pins 1 through 8	DB9 female connector
	Receptacle	3 5-15R (Duplex)	3 IEC320 (Duplex)
Options	RemotEye II®	SNMP and web-based monitoring	

UPS ADJUSTABLE SPEED DRIVES MOTORS CONTROLS INSTRUMENTATION PLC

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