GE Consumer & Industrial
Power Protection

Feature Benefit Analysis
Digital Energy™ Match Series

Model: 500-700-1000-1500VA

Line Interactive Uninterruptible Power Supply

Feature	Benefit
Line interactive architecture	• Provides cost effective protection • Prevents damage caused by many disturbances in the mains power
Wide AC input voltage range, from 165-275V at 100% load	• Minimises the need for battery operation • Increases battery life • Allows the load to run undisturbed, when other UPS would have already switched to battery then died
Automatic Voltage Regulation (AVR)	• Buck and boost function controls the incoming voltage • At 165-275V on the input, the output voltage is restricted to 190-254V
Excellent high voltage protection	• The Match protects itself and the load up to 350V • Most other UPS will damage themselves or the load at 300V
Sinewave output	• With a linear load, the output waveform is sinusoidal • With a crest load the waveform top is flattened slightly • No high current peaks are created from the battery • This optimal solution between sinewave and square wave ensures high efficiency is maintained
Low power consumption during normal operation	• Energy saving, particularly compared to other line interactive UPS • Within 5 years of use, 100% return on investment
Output frequency automatically set at 50 or 60Hz	• Suitable for 50Hz or 60Hz operation • Autosensing • The output frequency is automatically the same as that of the input when on battery • No risk of the wrong frequency from the output when in battery mode
High crest factor acceptance of 6:1	• The Match is especially suited for computer loads • There is no need to oversize the UPS
Load and autonomy indication	• The UPS indicates how much capacity remains for any additional equipment • In conjunction with the free software provided, the remaining runtime can be seen
Battery start (cold start)	• The UPS can be switched on when mains is not available • Suitable for mobile applications and remote areas
Virtually inaudible	• The Match can be placed next to the user
No magnetic field emissions	• The Match can be placed next to a computer
Remote UPS shutdown	• The UPS can be shut down remotely before the batteries are discharged • For areas with repeated power failures, the UPS can support the load over several power outages in a day

GE imagination at work

RS232 and SNMP compatible user communication interface	• The UPS can be monitored and managed by the network, using the SNMP protocol in GE's software • No SNMP cards or hardware are required
True RMS voltage and output power information	• Accurate, up to date information is provided on voltage, load and runtime • All information is based on real values, not estimations
Secure fault management	• Monitors proper interface installation and checks proper functioning of UPS • Logs power events
Small and lightweight	• Occupies very little space • Can be easily moved by the user
Extended runtime versions	• Models available for site specific requirements • No need to oversize the UPS for increased runtime
Protection against overload, short circuit and over temperature	• UPS is protected against accidental misuse • UPS complies to all safety standards
SUPERIOR BATTERY MANAGEMENT FOR MAXIMUM BATTERY LIF AND SAFETY	
Quick battery test	• Regular tests can be performed by the user • Regular testing of the battery ensures no surprises when the mains fails
Advanced battery testing method	• UPS runs in normal operation during a battery test • If the battery is empty or damaged, or if there's an overload, the load will not be dropped
Lowest battery temperature during mains operation	• The cabinet design and electronics means the battery temperature is kept very low during mains operation • The life of the battery is increased
Battery charging at 165V	• Even in poor mains areas, there is fast recovery of back up power • Increases up time and battery life
Auto charging	• When mains input is present, the charger is automatically on • If the UPS is switched off for a long time, the batteries will remain in good condition
Automatic boost/float charger	• Recharge time is reduced to 2 hours • Uptime is increased, without the batteries being overcharged

GE imagination at work