GE Consumer & Industrial
Power Protection

Feature Benefit Analysis
Digital Energy™ Match Series

Model: 2200 & 3000VA

Line Interactive Uninterruptible Power Supply

Feature	Benefit
Line interactive architecture	• Provides cost effective protection • Prevents damage caused by many disturbances in the mains power
Extremely wide AC input voltage range, from 140-305V	• 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 140-305V 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
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 with 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	• Separate enclosures for UPS and battery pack • Even the 3kVA can be easily handled by the user
Easy connection of battery packs for extended runtime	• Models available for site specific requirements • No need to oversize the UPS for increased runtime • Additional battery packs are easily plugged into the standard battery pack
Automatic adjustment of battery charge from 3.5 to 10A	• If additional battery packs are connected, battery recharge time will not increase substantially
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 LIFE 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
Deep battery test	• The actual battery capacity can be tested via the software, ensuring accurate runtime prediction
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	• The separate battery cabinet and special positioning of the battery means a significantly lower battery temperature • The life of the battery is increased
Battery charging at 140V	• 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
Temperature compensated battery charging	• Prevents overcharging at high temperatures, and undercharging at low temperatures • Increases the lifetime of the battery
Load dependent end of discharge	• If the discharge time is shorter, batteries may be discharged deeper. This feature ensures even at low loads maximum autonomy can be supplied without risking damage to the battery during lengthy power failures
Charger off at end of charging	• No over charging, increasing the battery life

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