2008 features and benefits

Feature	Benefit
GENERATOR	
Best in class power quality • Superior harmonics and sine wave form • Less than 5% Total Harmonic Distortion	Allows confident operation of sensitive electronic equipment and micro-chip based appliances such as variable speed HVAC
Digital industrial isochronous governor achieving steady and continuous 60 Hz signal (10kW thru 20kW)	Eliminates surging and fluctuation as electrical load is added and removed giving you near utility quality power
Dynamically redesigned enclosure	• Contoured and stylish profile creates aesthetically pleasing presence while minimizing perception of size Optional shroud covers generator base and mounting pad to complete
Galvaneel process bonds zinc with steel	Provides superior corrosion protection
Hard tooled and stamped enclosure panels	No exposed edges or corners Minimizes weld points and moisture wicking crevices
Louvers are sculpted toward the inside of the enclosure	Enhances clean lines and eliminates external sheared edges
All weld points on the inside of enclosure	Reduces exposure to the elements improving structural integrity and appearance
Single point hood release and latch	Allows one hand lifting of hood
Automotive style hinges	Eliminates external fastener points and allows hood to pivot to rear of unit
– End mounted key lock for security – 17kW is available in corrosion resistant aluminum – 20kW comes standard in corrosion resistant aluminum enclosure	
More efficient engine and refined alternator design	Improved power output (wattage)
CONTROL PANEL	
Two-line plain text (bilingual) LCD display in the control panel (10 thru 20kW)	Easy to read
User friendly digital controls with enhanced diagnostics and improved user interface	• Provides generator run time (hour meter), power output percentage and maintenance interval schedule • Details any generator safety shutdown or fault should one occur
Programmable exerciser (10 thru 20kW)	Allows operator to set exercise time like an alarm clock for added convenience
Battery charger relocated to load center transfer switch	Reduces float voltage to extend maintenance intervals of battery
Controller is self-contained and pluggable with consolidated wire harnesses and unique harness plugs	Improves manufacturability by reducing connection points and eliminating errors in connections
Wire connections incorporated directly into printed circuit board (PCB)	Reduces possibility of error from manual wire connections

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Easy access items located in external panel - Circuit breaker disconnect, generator status LED, GFCI outlet and maintenance interval LED	
External main line circuit (10kW thru 20kW)	Allows power shut down without having to open the enclosure (fire marshal code requirement)
System status LED (10kW thru 20kW) • Green – All systems ready for standby operation, exercise timer is set • Red – Generator shutdown or fault status	Provides at-a-glance condition
Maintenance interval light (yellow) (17kW & 20kW)	Alerts you to have maintenance performed
External GFCI outlet (17kW and 20kW)	Allows you to use standby power from generator location for outdoor needs
GENERAC OHVI® OVERHEAD VALVE INDUSTRIAL ENGINE	
Specifically designed for high demand generator use and built for the rigors of long period operation	Long life trouble free operation
2 Year or 200 hour oil change interval	Extended maintenance intervals and reduction in exhaust emissions
High performance race car engine features • Plateau honed cylinders • Plasma Molly piston ring pack • Graphite insert pistons	Collectively eliminate engine break-in and reduces oil consumption
Full pressure lubrication	Provides instant lubrication to all vital engine parts at moment of start-up
Spin-on automotive style, long life oil filter	Cleans oil to prolong engine life
Engine safety shutdowns • Low oil pressure • Low oil level • High temperature	Protect engine to ensure long life
Optional Remote Monitoring Display Module (Available for Air-cooled 10 kW through 20 kW models)	• Shows Time/Date stamped history of generator • Remote starting and stopping of generator • Set exercise time and day • Indicates service schedule • Provides weekly test notification • Displays warning and/or fault indicators • AC adaptor powered ○ Short term use battery back-up
TRANSFER SWITCHES	
20kW model equipped with Power Manager® LTS - 200 amp load shedding transfer switch	
The Power Manager LTS conforms to sizing calculation changes for the 2008 National Electrical Code	Allows coverage of entire 200 amp utility service
Service entrance rated	Eliminates the need for separate sub panel
NEMA 3R outdoor rated enclosure with side opening, hinged cover	Can be installed outdoors near location of utility meter to reduce installation costs
Built-in 16 circuit load center	Main contactor protects these priority items
Secondary contactor controls supplemental non-priority circuits and sheds if generator approaches overload	Allows smaller generator to cover larger capacity utility distribution panel (Up to 200 amp)

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GenReady Load Center and Transfer Switch (Hybrid panel)	
Replaces main load center at time of home construction and operates as a normal load center	Makes homes generator ready allows for seamless integration of standby generators Easiest, most economical generator installation • No separate transfer switch • No additional installation labor • Dimensions are the same as a standard 42-space main load center Service entrance rated • Eliminated need for extra sub-panels
Can be order without transfer operator which can then be installed at a later time	Provision for adding generator and transfer operator later lessens initial equipment cost • Only a $50 upgrade cost from standard panel still saves considerable install costs versus retrofitting a standby generator at a later date
RTSN and RTSE Transfer Switches	
RTSN Standard ATS	Used for custom installations or with installs that require a sub-panel to isolate essential circuits
NEMA 3R outdoor rated enclosure	Can be installed outdoors in applications where there is no basement or garage
All aluminum enclosure	Reduces weight and offers the ultimate in corrosion protection
RTSE Service Entrance Rated ATS	For fast and easy installations prior to main electrical distribution panel
Provides main service disconnect within switch	Eliminated the need for addition service entrance circuit breaker to reduce cost
NEMA 3R outdoor rated enclosure	Can be installed outdoors in applications where there is no basement or garage
All aluminum enclosure	Reduces weight and offers the ultimate in corrosion protection
Pre-wired load center transfer switches	
• Available in 8, 10, 12, 14 & 16 circuit versions	Includes pre-wired conduits attached to the transfer switch (30 ft) and to the external connection box (5 ft) to reduce installation labor and lower overall installation costs
NEMA 1, indoor rated enclosure	Economical solution for priority circuit coverage when main distribution panel is located indoors

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