



200KW ALS with optional permanent installation base

200KW RESISTIVE AUTO LOAD SHEDDING LOAD BANK

- ◆ AUTO CONNECT & DISCONNECT OF LOAD STEPS TO MAINTAIN PRESET GENERATOR LOADING
- ◆ CONTINUALLY MONITORS EXTERNAL GENERATOR LOAD TO PREVENT UNDER OR OVER LOADING
- ◆ MANUAL LOAD TESTING FACILITY
- ◆ MULTI FUNCTION PLC COLOUR TOUCHSCREEN
- ◆ IP65 STAINLESS STEEL LOAD RESISTORS
- ◆ CIRCUIT BREAKER LOAD STEP PROTECTION
- ◆ OVER TEMPERATURE & FAN FAIL PROTECTION
- ◆ STAINLESS STEEL GRILLE AND FASTENERS

SPECIFICATIONS

DIMENSIONS: Standard : H:1375mm W:1055mm D:1055mm
With Installation base: H:1500mm W:1055mm D:1055mm

UNIT WEIGHT: Standard : 382 KG
Permanent installation base: 405 KG

LOAD RATING: 200KW @ 400 volt AC +/- 10% , 50Hz, 3 wire connection (Other voltages and Hz ratings available)

LOAD STEPS: Five (5) 20kW, 20kW, 40kW, 40kW & 80kW

LOAD SELECTION: PLC controlled 5 step loading in 20kW increments to maintain programmed generator KW load

RESISTOR WIRING: 200 degree 'C' rated silicone insulated

LOAD CABLE CONNECTIONS: Shielded terminal links with 1 x M10 bolted connections per phase

FAN MOTOR: 4.0KW, 400 VOLT +/- 10%, 50Hz ,4 pole TEFC, IP54. DOL start with thermal overload

FINISH: Grey/black UV stabilised Powder Coat with stainless steel discharge grille and fasteners

ENCLOSURE: IP54 (control panel door closed)
IP44 (control panel door open)

SOUND LEVEL: 79dba @ 1 metre (averaged free field)



OPTIONAL EQUIPMENT

INSTALLATION BASE: Steel 'C' section mounting rails for permanent installation (black powder coat finish)

POWERLOCK: Powerlock twist type shielded connectors for incoming power supply (400 amp rated)

DIGITAL METERING: Backlit LCD for Volts, Amps KW, KVA, KWH, PF with RS-485 Mod-Bus communication

CUSTOM STEP SIZE AND LOADING: Custom kW step sizes and number. Minimum step size is 5KW and maximum step number is six (6)

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LOAD-LOGIC ALS CONTROLLER

CONTROL INTERFACE: 7" Colour touch screen with clear and concise menus and navigation pages

LOAD STEPS: Five (5) load steps are standard however up to a maximum of six (6) steps with identical or different Kilowatt ratings on each step are an available option.

MANUAL MODE: The Load - Logic controller allows the operator to connect the load bank steps in sequence to the generating set for testing or exercising purposes. On completion there is a 300 second cool down phase. If auto operation is called for during manual testing the controller will automatically disconnect all load steps and enter the auto mode.

AUTO MODE: Uses a single current transformer (CT) in an outgoing generating set cable enabling the controller to maintain a pre-set load on the generating set. Using the load bank steps available. As the external load on the generating set either increases or decreases the Load-Logic controller will connect and disconnect load steps to maintain a generator loading as close as possible to the set percentage without exceeding this load figure. Operation of the control system is totally automatic after the initial set-up.

HOME SCREEN: for system mode selection, manual operation and status/fault display

- ♦ Emergency stop (status)
- ♦ Load bank temperature (status and fault)
- ♦ Load bank operation (status)
- ♦ Cooling fan (status and fault)
- ♦ Load sensing input (status and fault)
- ♦ Generating set (status and fault)
- ♦ Cool down timer countdown

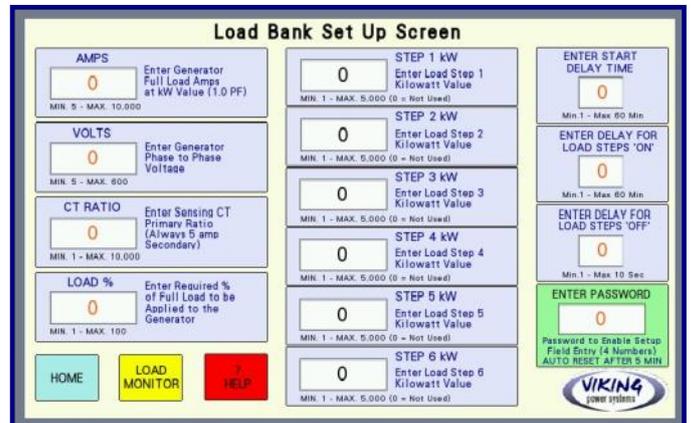
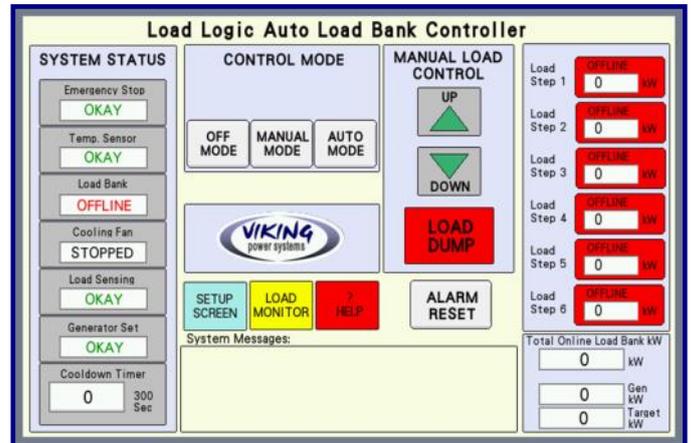
SET-UP SCREEN: For installation of system parameters

- ♦ Generating set rating (amps @ 1.0pf)
- ♦ Generating set Voltage
- ♦ Load sensing current transformer ratio
- ♦ Required generating set load percentage
- ♦ Delay start load monitoring (1- 60 minutes)
- ♦ Delay load step on (1 - 60 minutes)
- ♦ Delay load step off (1 - 10 seconds)
- ♦ Load bank cool down (fixed 300 seconds)

LOAD BANK MONITORING SCREEN (OPTIONAL) :

- ♦ Voltage (phase to phase)
- ♦ Frequency (Hz)
- ♦ Current (amps per phase)
- ♦ Total Kilowatts (generator and load bank)
- ♦ Load Kilowatt set point status

HELP SCREEN: Separate multi page help screen providing detailed operating instructions and assistance with rectification of common faults.



DIMENSIONS:

