1   Description：

  GM6650RM and GM6651RM is a monitoring module matching the new generation single generator set controller. The monitoring module is connected with the generator controller through RS485 communication port to display the running state and measuring data of the main generator control in real time synchronously, and can operate the same control functions as the main generator control, including starting and stopping the generator set, such The combination provides the user with a simple application solution for off-site operation and monitoring of the generator set.

  GM6650RM is suitable for **GM6650** self starting controller.

  GM6651RM is suitable for **GM6651** self starting controller with power failure detection and automatic power switching.

2   Typical wiring：

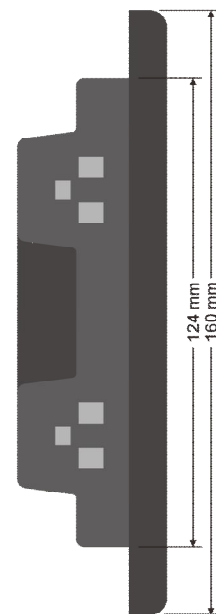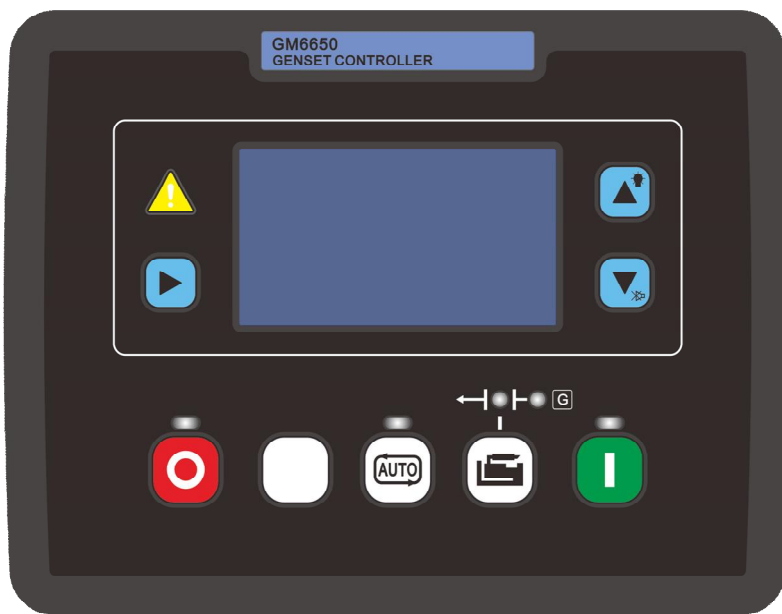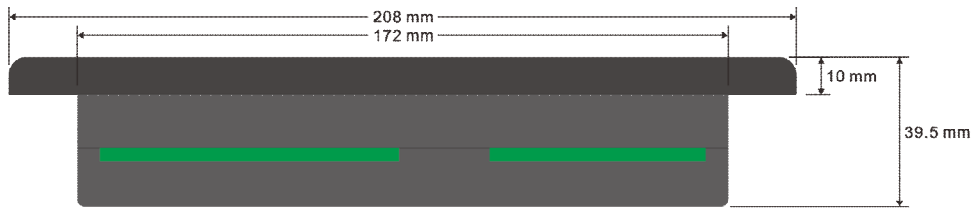| Model	GM6650RM/GM6651RM	GM6650/GM6651 controller
Definition communication port	A	A
	B	B
	S	S

Note: Shielded cable should be used for communication port connection between controllers.

3   Technical Parameters：

Working power supply
Voltage：12/24Vdc（8 to 35Vdc）
Crank voltage drop: If the voltage before the crank is ≥10V, it can be maintained at 0V for 80ms, the voltage is restored to ≥5V, and the controller can work normally without adding other auxiliary power.

Environmental parameters
Operating temperature range:-20℃ to 70℃
Storage temperature range:-40℃to 80℃
Humidity range: ≤95%, non-condensing

Outer casing
Dimensions: 208*160*39.5mm
Installation : 173*125mm
Protection level: IP65 (front) IP20 (back)

Sinusoidal vibration
4G, 5 to100Hz, with EN60068-2-6 standard

Shock
40G, 11Ms, with EN60068-2-27 standard

Electrical safety standard
With EN60950-1 standard

4   Controller dimensions：

GM6650RM

208 mm
172 mm
10 mm
39.5 mm

GM6650
GENSET CONTROLLER

AUTO

G

124 mm
160 mm

A
B
S RS485

USB

45 46 47 48

GM6651RM

208 mm
172 mm
10 mm
39.5 mm

GM6651
GENSET CONTROLLER

M ●─┤●├─→   ←─┤●├─● G

AUTO

124 mm
160 mm

A
B RS485
S

USB

45 46 47 48