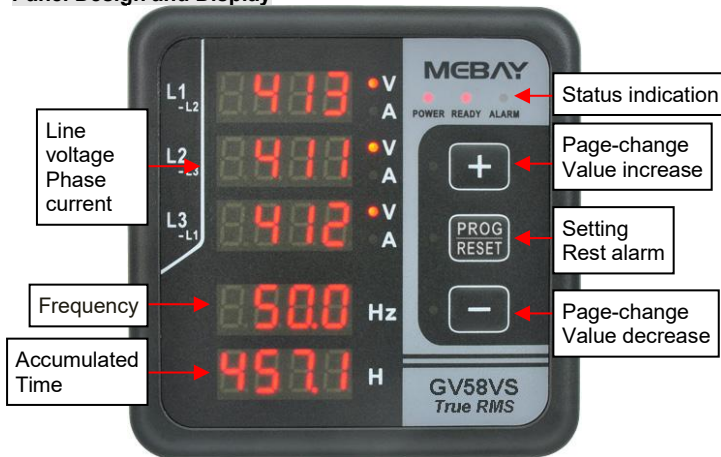


# GM58VS configuration and instructions V1.1

## Panel Design and Display



Indicator name	Main function
POWER	Light up after switching on the power supply.
RUNNING	When the frequency is higher than the "Freq. for start success", it will be lighted.
ALARM	Flash when any alarm.

## Parameters Settings

Press "PROG" for 3 seconds and show that "0--" means entering the password input interface. Press the "+" or "-" key to change the current password value. Press the "PROG" key to move to the right. If the password error will automatically exit the settings interface, please re-enter.

After entering the correct password, press the "PROG" key. When "P00" is displayed, it indicates that it has entered the setup mode and the first option is displayed. Press the "+" or "-" key to select the options that need to be modified, press the "PROG" key to enter the modified state; press the "+" or "-" key to change the parameter value, press the "+" or "-" key to remain unchanged, can continuously increase or reduce the parameter value; after adjustment, press the "PROG" key to return to the upper parameter browsing interface. After setting the parameters, press the "PROG" button for 3 seconds, then save and exit the setting mode.

When setting parameters, if more than 30S is pressed without any key, the setting interface will automatically exit and the modified parameters will be saved. The parameters will take effect immediately after they are saved and modified.

NO.	Parameter	Range (defaults)	Notes
P00	Alarm function	0:Disabled 1:Available	All the alarm indications and outputs are forbidden if it is set as 0.
P01	CT rate	5-6000A/5A (500A/5A)	Used for setting genset CT primary current, secondary rated current 5A.
P02	Over freq alarm	20.0-75.0Hz (57.0Hz)	When the Freq is higher than the value and comes into over freq delay but still higher (emergency

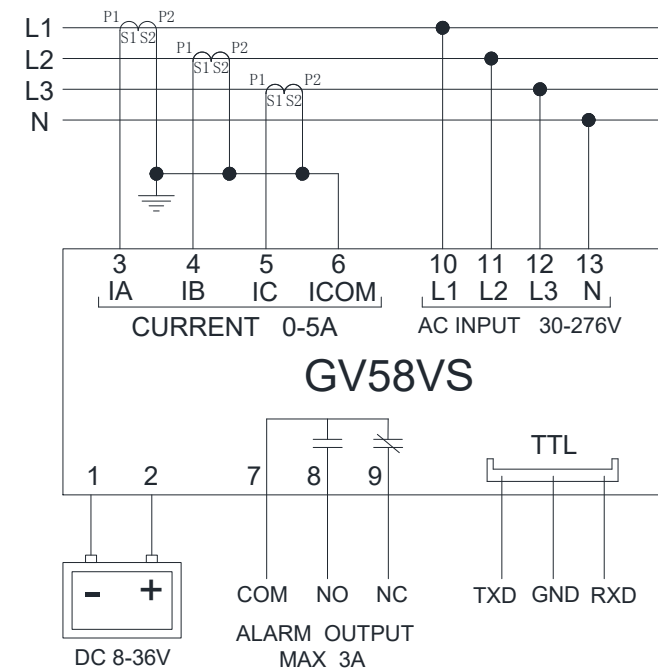
P03	Under freq alarm	0.0-75.0Hz (0Hz)	faults delay), then over frequency alarms.If the value is set as 75, then the alarm is disabled. When the Freq is lower than the value and comes into under freq delay but still lower (normal faults delay), then under freq alarm alarms.If the value is set as 0, then the alarm is disabled.
P04	Over line voltage	50~800V (450V)	When the line voltage is higher than the value and comes into over voltage delay but still higher (normal faults delay), then over frequency alarms.If the value is set as 500, then the alarm is disabled.
P05	Under line voltage	0~600V (0V)	When the line voltage is lower than the value and comes into lower voltage delay but still lower (normal faults delay), then under line voltage alarms.If the value is set as 500, then the alarm is disabled.
P06	Phase current over-load alarm	10-6500A (500A)	When the current is higher than the value and comes into over current delay but still higher (over current faults delay), then over current alarms.If the value is set as 6500, then the alarm is disabled.
P07	Emergency faults delay	0-10.0s (1.5s)	Over voltage,over frequency alarm delay.
P08	Normal alarm delay	2.0-20.0s (5.0s)	Under voltage,under frequency alarm delay.
P09	Over current faults delay	0-3600s (30s)	Current over-load alarm delay.
P10	Page-change delay	1-120s (120s)	Interval time for water temperature and fuel temperature, the max time is manually change.
P11	Freq. for start success	10.0-70.0Hz (20.0Hz)	When the frequency is over than the pre-set value once on power, then it is regarded that engine crank successfully.
P12	Safety delay	3-300s(10s)	This delay only responds to overfrequency and overvoltage alarms.
P13	Alarm output delay	0-120s (120s)	Alarm relay output setting. 0:alarm output disabled, 120:alarm output all the time.
P14	User password	0000-9999 (0000)	Password to enter parameter setting interface
P15	Current start value	0.1-0.4A (0.1Hz)	The secondary current of current transformer will be displayed only when it is higher than this value

## Options Parameters

- ◆ Operation Voltage:DC8~36V Continuous
- ◆ Power Consumption:MAX1.5W

- ◆ AC Voltage Input:3 phase 4 wire 30-276VAC(ph-N), 10-75Hz
- ◆ AC Current Input:Secondary input of current transformer MAX 5A
- ◆ MAX Accumulating Time:9999.9Hours (Min Store time:6min)
- ◆ Alarm Output:3AMP Non-contact output
- ◆ Working condition:-30-70°C
- ◆ Storage condition:-40-85°C
- ◆ Protection Level IP54:when waterproof rubber gasket is added between controller and its panel
- ◆ Overall dimension:100mm\*100mm\*77mm
- ◆ Panel cutout:91mm\*91mm
- ◆ Weight:0.15Kg

## Typical diagram



**Warning:** Please don't move battery during running status or it may cause the meter broken.

## Notes

1. If the system checked the frequency is over " Freq. for start success "(P13),the meter is connected with main power, then it will regard the genset as cranked successfully. which means the alarm will occur after the safety delay when the fault is checked.
2. When alarm protection occurs, the display page of the alarm parameter is automatically displayed. The alarm parameter value is locked and flickers. Pressing the "RESET" key can clear the alarm.
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