

START	Start	◆ Start the genset under manual mode. ◆ Pressing this key can start the genset under manual testing mode.
MANUAL	Manual	◆ Pressing this key will set the module into manual mode.
AUTO	Auto	◆ Pressing this key will set the module into auto mode.
Logs	DC50D MK II Records	◆ Pressing this key to check the alarm records under stop mode.
TEST ONLOAD	DC52D MK II Test	<ul> <li>◆ Pressing this key to come into manual testing mode.</li> <li>◆ Under testing mode, pressing MANUAL can start the genset and transfer to normal loading after running well, which is to test if the auto start is in normal status.</li> </ul>
LIESTIMUTE	LED Test Warning clear	◆ Test if all LED lights are ok, pressing this key to test if all lighted, all off when loosen it.  ♦ Under warning, pressing this key can clear warning and controller will recheck warning.  ♦ Under alarm, pressing this key can clear the buzzer call.  ♦ Pressing this key in 3 seconds can clear the buzzer call, pressing it again in 3 seconds can recover the buzzer call.
C/O	Gens Close/On Mains Close/On	♦ Under manual mode, pressing this key can transfer load to genset/mains.
4	Left	◆ Under display mode, pressing this key to turn forward page. ◆ Under edition mode, pressing this key to move the digit.
D	Right	<ul> <li>◆ Under display mode, pressing this key to turn back page.</li> <li>◆ Under edition mode, pressing this key to move the digit.</li> </ul>
<b>A</b>	Up	<ul> <li>◆ Under display mode, pressing this key to turn forward page.</li> <li>◆ Under edition mode, to move the digit or increase the numbers.</li> <li>◆ Under records mode, pressing this key to move the digit.</li> </ul>
<b>♥</b>	Down	<ul> <li>◆ Under display mode, pressing this key to turn back page.</li> <li>◆ Under edition mode, to move the digit or decrease the numbers.</li> <li>◆ Under records mode, pressing this key to move the digit.</li> </ul>
<b>Ø</b>	OK HOME	<ul> <li>◆ Confirm the change under edition mode.</li> <li>◆ Page exited under records checking mode.</li> <li>◆ Under display mode,press back to the home page.</li> <li>◆ In standby state, press for 3 seconds to enter the parameter setting mode .</li> </ul>
<b>*</b>	Setting mode	♦ The setting mode can be actived after pressing stop and OK simultaneously, under the status of standby without any alarm.
<b>O</b>	DC52D MK II Alarm Records checking	♦ Pressing STOP and RIGHT to check the records and any buttons pressed to exit from the page.

## ♦ Alarm records checking

DC5XD MK II controller can save 14 groups of alarm records which contains time, gens parameter, engine parameter and so on. How to check the alarm records:

1) Enter alarm record page:

a) DC50D MK II: under stop mode, press to come into alarm records page;

b) DC52D MK II: press and simultaneously to come into alarm records page;

2)Press to turn upper digit and press to turn lower digit in order to choose the record you need. Press

to confirm the record and come into history records checking page.

3)Press to turn lower records under records checking page. Press to turn upper records and press to revert back to alarm history records page.

4)Exit from records page: In the history records page and checking page, press to exit

#### 3. Parameter setting

### ♦ Enter the edition page

Please set the parameters according to below steps:

1) The setting mode can be actived after pressing and simultaneously, under the status of standby without any alarm. The default password is "07623".

2) Press and add number 1, press to reduce number 1, press to turn the digit into right, press to

turn the digit into left, press once done. Then system comes into menu after confirmation of password setting. The screen will display error if password is wrong. The correct password should be put after pressing any button.

3)Press to turn the digit into upper position, press to turn the digit into lower position, press to get into parameters setting page.

4)Press to shift up the parameters, press to shift down the parameters, press to get into parameter changing page.

5)Press to add number 1, press to reduce number 1, press to turn the digit into right and press turn the digit into left, press once done. If the parameters setting is in the valid setting range, then it can be saved, if not, it can not be saved.

6)Press and to save the parameters and exit from edition page.

7)Press to revert back to last class if in any setting position.

Revert back to default: put password "97011" when coming into parameters setting, then all the parameters can be set as defaults.

Note: the data can not be saved if the user didn't press STOP to confirm the setting.

◆ Parameter setting

### 1) Basic setting

No	Parameter	Range (default)	Notes
0	Language	0-English 1- <b>簡体中文</b> 2-緊体中文 3-Pycckuň 4-Espanol 5-Türk dili	Language option.
1	Gens poles	2/4/6/8 <b>(4)</b>	When the flywheel teeth is set as 0,the RPM will be resulted by frequency. Pole 2: 50Hz3000RPM.Pole 4: 50Hz1500RPM. Pole 6: 50Hz1000RPM.Pole 8: 50Hz750RPM
2	Gens AC system	Disable 1 phase 2 wire 2 phase 3 wire 3 phase 3 wire 3 phase 4 wire	Gens phases: No gens parameters can be displayed if setting as disable, which is applied to water pump genset.
3	CT rate	5-6000A/5A <b>(500A/5A)</b>	Used for setting genset CT primary current, secondary rated current 5A.
4	Rated frequency	40.0-80.0Hz <b>(50.0Hz)</b>	Setting generator rated frequency to calculate the alarm value.
5	Rated phase voltage	80-360V <i>(230V)</i>	Setting generator phase voltage to calculate the alarm value.
6	Rated phase current	5-6000A <i>(500A)</i>	Setting generator phase current to calculate the alarm value.
7	Rated total power	5-2000Kw <b>(276Kw)</b>	Set total power of generator to calculate the average loading rate and alarm value.
8	Rated battery voltage	8.0-36.0V(24.0V)	Calculate the alarm value.
9	Rated RPM	500-4500RPM <b>(1500)</b>	Calculate the alarm value.
10	Flywheel teeth	0-300 <i>(0)</i>	If the setting is 0, (RPM sensor Disabled), then RPM is resulted by Hz.
11	Oil pressure sensor	0:Disable 1:VDO 0-10Bar 2:MEBAY-003B 3:SGH 4:SGD 5:SGX 6:CURTIS 7:DATCON 10Bar	Choose the usual oil pressure sensor, if the sensor users choose is not the 9 types, it can be User-defined.

		8:VOLVO-EC 9:3015237	
		10:WEICHAI 0-0.6MPa	
		11:GENCON 0-10Bar 12:User-defined	
12	Temperature sensor	0:Disable 1:VDO 40-120 2:MEBAY-001B 3:SGH 4:SGD 5:SGX 6:CURTIS 7:DATCON 8:VOLVO-EC 9:3015238 10:PT100 11:MEBAY-Mier 12:WEICHAI 40-120°C 13:GENCON 40-120°C	Choose the usual temperature sensor, if the sensor users choose is not the 11 types, it can be User-defined.
		14:User-defined	
13	Fuel level sensor	0: Disable 1:SGH 2:SGD 3:MEBAY 150 4:VDO ohm range 10-180 5:VDO TUBE TYPE 90-0 6:US ohm range 240-33 7:GM ohm range 0-90 8:GM ohm range 0-30 9:Ford(73-10) 10:User-defined 11:ZP61-10	If the sensor users choose is not the 3 types, it can be User-defined.
14	Action if RPM lost	Warning/Alarm and stop	
15	Action if low oil pressure	Warning Alarm and stop	If setting as warning,the programmable input should be set as Low oil pressure stop disabled and input is valid. When the oil pressure value is lower than the preset value or low oil pressure alarm input signal is valid, then controller only display warning but not stop.
16	Action if high temperature	Warning <b>Alarm and stop</b> Alarm and stop after unloading	Alarm and stop: when the temperature is higher than preset value or high temperature signal is valid, then controller will alarm and stop after normal faults delay. If setting as warning:the programmable input should be set as high temperature stop disabled and input is valid. When the temperature value is higher than the preset value or high temperature alarm input signal is valid, then controller only display warning but not stop. If setting as alarm and stop after unloading:the programmable input should be set as high temperature stop and input is valid. When the temperature value is higher than the preset value of high temperature alarm input signal is valid, then controller shall start the unloading procession and stop with alarm.
17	Action if oil pressure sensor disconnected	Disable <b>Warning</b> Alarm and stop	
18	Action if temperature sensor disconnected	Disable <b>Warning</b> Alarm and stop	Action if oil temperature sensor disconnected.
19	Action if fuel Level sensor disconnected	Disable <b>Warning</b> Alarm and stop	Action if Fuel level sensor disconnected.
20	Pressure/Temperature unit	°C/KPA <b>°C/BAR</b> °C/PSI °F/KPA °F/BAR °F/PSI	Unit display.

2)Basic Setting 2 NO Parameter Range(defaults)

_	1	1	
		STOP	The primary modes on power, easy for user operation.
1	Primary Modes	Manual	Note: auto record function can not record the mode with
	1	Auto	load.
_	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Auto save	
2	Manual crank times	1-30 (1 time)	Crank times under manual mode and test mode.
3	Auto start crank times	1-30 (3 times)	Crank times under auto mode.
4	E.T.S. hold times	1-10 <b>(2 times)</b>	The max E.T.S. hold on power shall be canceled once stop success under auto mode . the output interval time is " Fai to stop ".
5	Crank disconnet	RPM Hz Oil pressure(delay) RPM/Frequency RPM/Oil Pressure Frequency/Oil Pressure RPM/Frequency/Oil press.	1.If there is no oil pressure sensor, please dont choose it.     2.Oil pressure switch input is not the crank condition     3.Please check if the running status, stop condition are according with crank condition.     4.Means either of the conditions can be acceptable as crank condition. But all of them should be meet together to regard as stop condition.
6	Frequency disconnect	0-200% <b>(28%)</b>	Rated frequency multiplying by this value is regarded as crank success condition. When the gens frequency is over the condition value, then system regards it as crank success.
7	Oil pressure disconnect	0-400kpa <b>(200kpa)</b>	When the engine oil pressure is over the condition value, then system regards it as crank success, motor escaped.
8	RPM disconnect	0-200% <b>(24%)</b>	Rated RPM multiplying by this value is regarded as crank success condition. When the RPM is over the condition value, then system regards it as crank success, motor escaped.
9	OP pre-supply stop	50-600kpa <i>(200kpa)</i>	When the oil pressure is over the condition value, then pre- oil supply is stopped.
10	RPM-up stop	0-200% <b>(90%)</b>	Rated RPM multiplying by this value is regarded as speed- up stop value. When the RPM is over this value, then the RPM-Up procession is stopped in time.
11	Temperature-up stop	20-200℃ <b>(68 ℃)</b>	When the temperature is over the preset value, then temperature-up procession is stopped in time.
12	Voltage-up stop	0-200% <b>(85%)</b>	Rated voltage multiplying by this value is regarded as voltage-up stop value. When the voltage is over this value, then the voltage-Up procession is stopped in time.
13	Fuel pump open	0-100% <b>(25%)</b>	When the fuel level is lower than preset value and remains 10S, fuel pump opened signal output
14	Fuel pump close	0-100% <i>(<b>80%</b>)</i>	When the fuel level is higher than preset value and remains 1S, fuel pump closed signal output.
15	Maintenance countdown	0-5000h <b>(800h)</b>	When it is set as 5000, then this function is disabled.
16	Maintenance date	<b>2000/01/01-</b> 2099/12/31	When it is set as 2000/01/01, this function is disabled.
17	Maintenance expire	Warning /Alarm and stop	The action after the primary maintenance expired.
18	User password	00000-65535 <i>(07623)</i>	Change the password.
19	Battery charging start	8.0-30.0 <b>(25.6V)</b>	When the battery voltage is lower than start value and
20	Battery charging stop	10.0-36.0 <b>(27.8V)</b>	remains 10s under non-running status, then the relay is opened. When it is higher than the close value and remains 10s, relay is closed. Once coming into running mode, there is no output.
21	485 baud rate	0-4800 1-9600 <b>2-19200</b> 3-38400 4-57600 5-115200	RS485 communication baud rate selection.
22	485 CRC setting	0-CRC L_H 1-CRC H L	Sequence selection of RS485 communication protocol CRC:

3) Delay time setting

NO	Parameter	Range(default)	Notes
1	Start delay	0-6500.0s <b>(5.0s)</b>	The time during the genset starts after the mains failure or remote signal is valid.
2	Preheat time	0-6500.0s(0.0s)	The time needed to be preheat before the starter on power.
3	Longest pre-oil supply	0-180.0s <i>(0.0s)</i>	Under pre-oil supply, if the oil pressure is higher than setting value then pre-oil supply stopped.
4	Cranking time	3.0-60.0s(8.0s)	The time when the starter is on power.
5	Crank rest time	3.0-60.0s(10.0s)	If crank failure, the waiting time before the second test time.

n contains oil pressure, if the oil pressure is alue and continue for few seconds, then it is ss.  semperature, under speed, under frequency allure are all invalid during this time except speed, over freq.  ank successfully.  me,during which time the system will exit
illure are all invalid during this time except speed, over freq. ank successfully.
me,during which time the system will exit
ccessfully .
time,during which time the system will exit sed successfully.
time,during which time the system will exit uccessfully .
ing.
ons if the mains unstable. If the remote start D MK II will check if the mains normal), immediately, after the delay time, it will the delay, if the remote start signal is valid to rated running.
elay from Mains to Gens if the remote star formal under Cooling time.
e of cooling down by radiator before stop emote start signal is valid, then genset wil
ime.
e stop failure time, then the stop failure time
uency alarm delay.
or emergency stop and over frequency
y.
e effect until the [27-Over phase current overcurrent delay is inverse time, and the ^2.
effect until the <b>[28-Over total power delay]</b> ver delay is inverse time, and the formula is
Sens.
and unloading pulse width, when it is 10s, it s output.
et to 0, the over current delay is the inverse ent delay is the time set for this parameter.
set to 0, the over power delay is the inverse

4) Engine Alarm setting

NO	Parameter	Range (defaults)	Notes
1	Over speed alarm	0-200% <b>(114%)</b>	Rated RPM multiplying by this value is regarded as over speed alarm value. When the RPM is higher than the alarm value and comes into over speed delay but still higher(emergency faults delay), then over speed alarms. If the value is set as 200, then the over speed alarm is disabled.
2	Under speed alarm	0-200% <b>(80%)</b>	Rated RPM multiplying by this value is regarded as under speed alarm value. When the RPM is lower than the alarm value and comes into under speed delay but still lower (normal faults delay), then under speed alarms. if the value is set as 0, then the under speed alarm is disabled.
3	Low oil pressure alarm	0-999kpa (103kpa)	When the oil pressure is lower than the alarm value and comes into low oil pressure delay but still lower (normal faults delay), then low oil pressure alarms. If the value is set as 0, then the under speed alarm is disabled.
4	High temperature alarm	20-200℃ <b>(98 ℃)</b>	When the temperature is higher than the alarm value and comes into high temperature delay but still higher (normal faults delay), then high temperature alarms. If the value is set as 200, then the high temperature alarm is disabled.
5	Low fuel level warning	0-100% <b>(20%)</b>	When the fuel level is lower than the value and comes into low fue level warning delay but still lower (normal warning delay), then low fue

			level warns. If it is higher than the value then warning clears. If the
			value is set as 0, then the low fuel level warning is disabled.
	Low fuel level		When the fuel level is lower than the alarm value and comes into low
6	alarm	0-100% <i>(<b>0%</b>)</i>	fuel level delay but still lower (normal faults delay), then low fuel level
	alaitti		alarms. if the value is set as 0, then the under speed alarm is disabled.
			Rated battery voltage multiplying by this value is regarded as over
	Over battery		battery voltage warning value. When the battery input is higher than the
7	voltage warning	0-200% <b>(135%)</b>	warning value and comes into over battery voltage delay but still higher
	voitage warning		(normal faults delay), then over battery voltage warns. if the value is
			set as 200, then the over battery voltage is disabled.
	Under battery voltage warning	0-200% <b>(100%)</b>	Rated battery voltage multiplying by this value is regarded as under
			battery voltage warn value. When the battery input is lower than the
8			warning value and comes into under battery voltage delay but still
			lower (normal faults delay), then under battery voltage warns. if the
			value is set as 0, then the under battery voltage is disabled.
			When the gap between D+ and B+ is over than this value, and there is
9	Engine charger warning	1.0-30.0V <b>(30.0V)</b>	charging failure but still high(normal warning delay), then charge failure
ا ا			warns. Once the gap is lower than the value, warns clear. If the value is
			set as 300, then the charge failure is disabled.

		1	ject de 600, then the charge failure is disabled.	
	5) Generator alarm parameters			
NO	Parameter	Range(defaults)	Notes	
1	Over freq alarm	0-200% <b>(114%)</b>	Rated frequency multiplying by this value is regarded as under over frequency alarm value. When the Freq is higher than the value and comes into over freq delay but still higher (emergency faults delay), then over frequency alarms. If the value is set as 200, then the alarm is disabled.	
2	Under freq alarm	0-200% <b>(80%)</b>	Rated frequency multiplying by this value is regarded as under frequency alarm value. When the Freq is lower than the value and comes into under freq delay but still lower (normal faults delay), ther under frequency alarms. If the value is set as 0, then the alarm is disabled.	
3	Over voltage warning	0-200% <b>(120%)</b>	Rated voltage multiplying by this value is regarded as over voltage alarm value. When the voltage is higher than the value and comes into over voltage delay but still higher (normal faults delay), then over voltage alarms. If the value is set as 200, then the alarm is disabled.	
4	Under voltage alarm	0-200% <b>(80%)</b>	Rated voltage multiplying by this value is regarded as under voltage alarm value. When the voltage is lower than the value and comes into under voltage delay but still lower (normal faults delay), then under voltage alarms. If the value is set as 0, then the alarm is disabled.	
5	Phase current over-load alarm	0-200% <b>(100%)</b>	Rated current multiplying by this value is regarded as over current alarm value. 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 200, then the alarm is disabled.	
6	Non-balance current ratio warning	10-100% <i>(100%)</i>	It is valid for 2P3W or 3P4W.When the non-balance current ratio is higher than the value and comes into delay but still higher(normal warr delay), then non-balance current ratio warns.If the value is set as 100 then the warning is disabled.	
7	Over total power alarm	0-200% <b>(100%)</b>	Rated power multiplying by this value is regarded as over power alarm value. When the loading power is higher than the value and comes into delay but still higher (power faults delay), then over power alarmsIf the value is set as 200, then the alarm is disabled.	

6) Output / Input setting

-7	o) output imput county			
NO	Parmeters	Range(defaults)	Notes	
4	Draggamanahla autaut 1	0-50	0. Disable.	
'	Programmable output 1	( 17. E.S.T. hold)	1. Public warning output: when there is any warning output.	
2	Dragrammahla autnut 2	0-50	2. Public alarm output: when there is any alarm output,	
2	Programmable output 2	(10.ldle speed control)	alarm locks till revert back.	
	D	0-50	3. Audio alarm: when there is any alarm output, the Audio	
3	Programmable output 3	(14.Gens load)	controls.	
4	Programmable output 4	0-50	4. Shades control: there is output once genset starts and	
		(23. Mains load )	stop till stable.	
		,	5. Preheat mode 1: preheat before start.	
			6. Pre-oil supply control: Under pre-oil supply,if the oil	
			pressure is higher than setting value or pre-oil supply time	
			ends, then pre-oil supply stopped.	
			7. Fuel output: output once gens starts and off till stable.	
			8. Crank output: output once cranking, no output in other	
			mode.	

	T	T	<b>A A A A A A A B B B B B B B B B B</b>
			Genset running: output under running,off once RPM is lower than cranking RPM. The crank success condition can be set.
			10.Idle speed control 1: used for speed controller, there is
			output under idle but no output under high speed.  11. Speed-up control: during the procession of speed
			increasing, the output time is the Longest RPM-up time.
			12. High speed control: The output is valid after idle delay is
			completed, and the output is closed after high-speed heat
			dissipation.  13. Excitation output: there is output during cranking
			procession and there is 2s output if there is no frequency
			under high speed status.
			14. Gens load: continuous or pulse type according to time
			setting.  15.Gens unload: continuous or pulse type according to time
			setting.
			<b>16. Speed-down control:</b> the output time is shutdown idle delay during shutdown idle or shutdown on power
			procession.
			17.E.S.T. hold: shutdown output, it is used for gens with stop
			solenoid. when the setting value of shutdown delay is
			over, then it is off. <b>18. System in stop:</b> there is output under stop mode.
			19. System in manual: there is output under manual mode.
			20. System in auto: there is output under auto mode.
			<b>21. Fuel pump output:</b> there is output if the oil capacity is lower than start condition for 10s and shutdown if it is
			higher than the shutdown condition for 1s.
			22. Battery charging control: there is output if the voltage is
			lower than the preset value under standby status and shutdown after start and in running status.
			23. Mains load: continuous or pulse type according to time
			setting. Only for DC52D MK II.
			24. Mains unload: continuous or pulse type according to time
			setting. Only for DC52D MK II.  25.Idle speed control 2: used for speed controller, there is
			output under idle but no output under high speed.
5	Configurable input 1	0-40(2.High temperature alarm)	Disable.     Low oil pressure alarm switch.
	0 6 11 1 10	0-40(1.Low oil	2. High temperature alarm switch.
6	Configurable input 2	pressure switch)	3. Low water level warning switch.
7	Configurable input 3	0-40(27.Remote start)	4. Low water level alarm switch. 5. Low fuel level warning input.
8	Configurable input 4	0-40(8.Low Fuel level warning input)	6. Low fuel level alarm input.
9	Configurable input 5	0-40(6.Low water level	7. Charging failure warning: output when charging failure.
	,	alarm input)	8. Low oil pressure shutdown disabled: valid if there is signal input.
			9. High temperature shutdown disabled: valid if there is
			signal input.
			10. External instant warning input. 11. External instant alarm input.
			12.Gens un/loading input: connect to the gens loading
			switchs auxiliary point.
			13. Mains un/loading input: connect to auxiliary point of mains loading switch.( Only for DC52D MK II).
			14. Shades status input.
			15.Auto start disabled: gens will not start if there is signal
			input whatever mains normal or not. <b>16. Auto stop disabled:</b> gens will not stop if there is signal
			input whatever mains normal or not.
			17.Stop by radiator if high temperature: The controller will
			shutdown the gens after high speed cooling down delay when temperature is too high if this signal is valid and
			gens under normal running , the controller will shutdown
			the gens directly if the signal is not valid.
			<b>18. Remote start(with load):</b> the gens comes into start procession if this signal is valid and under auto mode.
			19. Soundproof alarm: audio alarm output is disabled if there
	•	•	
			:

	I		is signal output
			is signal output.  20.Front face button disabled: any button except for page button is disabled if there is signal output.  21.Meter mode: all output are disabled, alarm and warns are invalid. any button except for page button is disabled.  22.Remote control mode: any button except for page button is disabled if the input is valid, LCD will display remote mode.remote control module can start/stop and monitor parameters through front face buttons.  2340. Reserved.
10	Configurable input 1 valid	0- Normal close 1- Normal open	The status of switch value input valid.
11	Configurable input 2 valid	0- Normal close 1- Normal open	
12	Configurable input 3 valid	0- Normal close 1- Normal open	
13	Configurable input 4 valid	0- Normal close 1- Normal open	
14	Configurable input 5 valid	0- Normal close 1- Normal open	

7) Working plan and maintenance setting

NO	Parameter	Range(defaults)	Notes
1	Working plan format	<b>Disable</b> Every month Every week	This mode must be under auto mode. Working plan is disabled once setting as disable. The working plan will be executed according the chosen date when setting as every month. The working plan will be executed according the chosen date when setting as every week.
2	Maintenance date per month	From 1st to 31st  Default: the first day	The date chosen for every month.
3	Maintenance date per week	Monday to Sunday  Default: Sunday	The date chosen for every week.
4	Maintenance with load or not	Disabled/with load	To choose if the genset starts with load or not.
5	Maintenance start time	00:00-23:59 <b>(00:00)</b>	Maintenance start time setting.
6	Maintenance running time	1-120m <b>(5m)</b>	Maintenance running time setting.

8) Mains protection

	Parameter	Range(defaults)	Notes
1	Phase	Disable 1 Phase 2 Wire 2 Phase 3 Wire 3 Phase 3 Wire 3 Phase 4 Wire	Choose the input, there is no display if setting as disable.
2	Mains under volt	55-330V(184V)	When the mains voltage is lower than the "low voltage crank
3	Revert under volt	55-330V <b>(207V)</b>	threshold" and comes into mains low voltage delay(normal failure delay) but still lower, then mains becomes invalid. If the voltage become higher than "low voltage revert threshold" during normal failure delay time, then it will not alarm.
4	Mains over volt	55-330V <b>(276V)</b>	When the mains voltage is higher than the high voltage crank
5	Revert over volt	55-330V <b>(253V)</b>	threshold" and comes into mains high voltage delay(normal failure delay) but still higher, then mains becomes invalid. If the voltage become lower than "low voltage revert threshold" during norma failure delay time, then it will not alarm.
_	Mains normal delay Mains abnormal delay	0.0-3600.0S( <b>10.0S</b> ) 0.0-3600.0S( <b>5.0S</b> )	The time from abnormal to normal, which is used for ATS transfer.

9) LCD setting

No	Parameter	Range(defaults)	Notes
1	Start screen display	0-20.0s <b>(5.0s)</b>	Start screen display time,0: No-display.
2	Saving mode		LCD light will be closed automatically without any button pressed after delay. If setting as 200.0s, back light always lighted.
3	Homing display	5.0-600.0s <b>(600.0s)</b>	The time when the page reverts back to the home page .lf setting as 600.0s:disabled.
4	LOGO delay display under standby	5.0-6000.0 <b>(6000.0s)</b>	Start screen will be opened without any button pressed after delay.If setting as 6000.0s: disabled.

a) USB/RS485 PORT

No	Parameter	Range(default)	Notes
1	Controller adress	1-255 <b>(16)</b>	The IP built by controller and PC.

b) Working plan
No Parameter Range(default)

Notes

1	Working	Disable	Working plan must be under auto mode. During the working time, the
		Enable 1:remote start	genset start if the conditions reached and shall stop if the conditions no
		Enable 2:mains failure	reached.
		Enable 3:the above 1 or 2	The genset shall not start when out of the working time wheather the
		Enable 4:running always	conditions reached or not.
2	Start time	00:00-23:59	The start time allowed.
3	End time	00:00-23:59	The end time allowed(the next day is valid)
4	Dates	11=31	Multiple choices according to the reality. The longest running time is 24
			hours.

c) Data/time setting

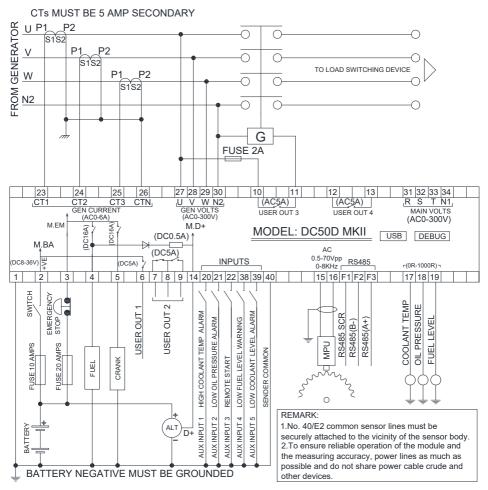
No	Parameter	Range(defaults)	Notes
1	Date	2016/01/01-2099/12/31	Permanent calendar inside, please correct the time timely.
2	Current time	00:00:00-23:59:59	Permanent calendar inside, please correct the time timely.

d) Self-define curve

NO	Parameter	Notes		
1	Self-define oil pressure curve	Sensor curve can be User-defined by panel buttons, resistance and		
2		according value should be input,MAX 15 groups ,MIN 2 groups.		
3	Self-define fuel level curve	Rule: resistance should be input from small to large.		

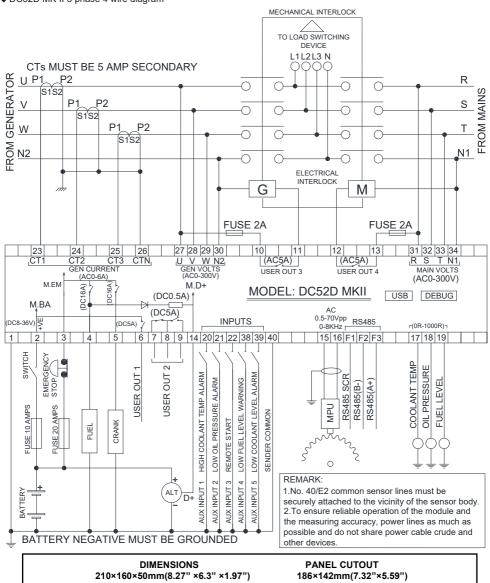
4. Typical diagram

◆ DC50D MK II 3 phase 4 wire diagram



**DIMENSIONS** 

210×160×50mm(8.27" ×6.3" ×1.97")



# !\Notes:

1.Please don't move battery during running status or it may cause the controller broken.

2.The CT public terminal ICOM should connect to public ground, on the mean time, please don't connect to Line Nero, or the controller may be burnt.

Warning: the secondary CT can not be opened under current loading, or the high voltage may cause damage and safety problem for workers.

# <u>∠!\</u>Notes

- 1. All rights reserved. No part of this duplication may be reproduced in any material form(including photocopying or storing in any medium by electronic means or others) without the written permission of the copyright holder.
- 2. MEBAY Technology reserves the rights to change the contents of this document without prior notice.
- 3. This manual is only for the quick operation, please read the specific standard manual for your reference.