### Technical Specifications

1. Control System	Pre-installed Programmed Digital Control By μ TORON
2. Central Process Unit	SH7750R 32-bit RISC
3. Memory	FlashROM 32Mbyte, SDRAM 64Mbyte, FRAM 128kbyte
4. Human Interface	Panel Keyboard (Touch Pad) VFD(Vaccuum Flourescent Displa
5. Voltage Input Rating	AC550Vrms Three Phase line to line
6. Current Input Rating	AC 5A & 1A CT secondary 50A 1second maximum
7. Digital Input Rating	Active Terminal DC24V and 6mA
8. Digital Output Rating	Dry Contact DC24V 10A and DC30V 2A resistor load
9. Measurement Accuracy	1% of full scale & Temperature drift plus & minus 100ppm
10. Analogue / Digital convert	16bit Analyzed A/D convertor
11. Digital / Analogue convert ·······	16bit Serial D/A convertor
12. Control Source	DC24V Nominal, 18V to 30V continuous, 0V for 10msec.
13. Ambient Temperature	-5 deg.C to 50 deg.C for operation
14. Communication Interface	Load sharing & Operation Status
	Between DG : MG-CUNet
	Communication Facilities : Ethernet for WAN
	Remote Monitoring: RS422
	Expansion Unit: MG-HLS (Option)  Madhya (DTL) for Specified of DMS (Option)
45 Ownshaminan	Modbus(RTU) for Specified of BMS (Option)
15. Synchronizer ·····	Automatic Synchronizer mode and Check Synchronizer mode, with Graphical Synchro Mode.
	Pat. 3958255 & Pat. 3993535
16. Load Sharing ·····	Optimum Load Share between DG sets with
	optimum number of DG units control command and automatic Frequency control
17. Trend data ·····	60 minutes latest data viewer for all measure points
	5 latest operation logs for trip condition.
18. Event Log ·····	100 latest data of alarm and status.

y) 256 x 128 dots

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# DGICS-MIII

The Intelligent Communication & Control Unit for Generating Systems



Our Technologies, Your Tomorrow

## DGICS-MII, MHI Group's originally developed digital generator control panel.

### ne Intelligent Communication & Control Unit for Generating Systems

## Integrated control system design for safe and right control with high reliability conditions by communication system.

'Compact On"

The generator panel controls the electric power produced by a generating system, supplying it to various equipment and facilities in a safe and stable form. Generator panels come in many shapes and specifications, including a basic type for simply starting and stopping generating systems and more complicated types equipped with some protective devices for more sophisticated control.

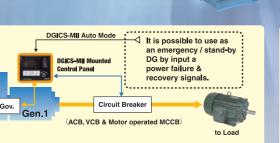
### **DGICS-MII** Outline

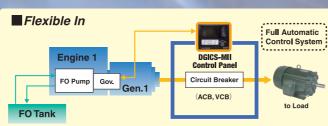
**■** Compact On

FO Tank

electrical power distribution system.

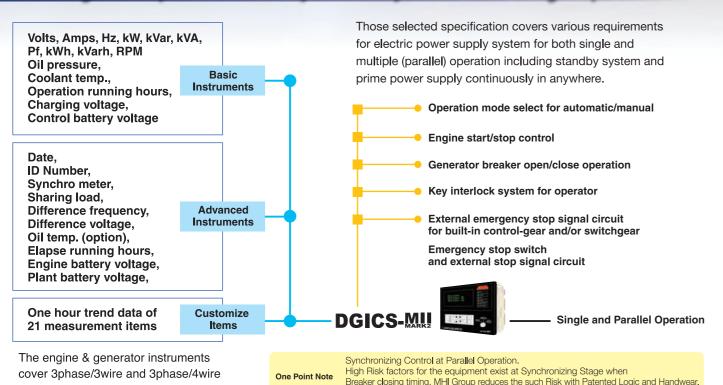
DGICS-MII is usually supplied as a compact module without panel box. The module is very small but it has wide, flexible and well-designed specifications and it can be adapted to various type applications. The module can be installed in control panel cubicles.



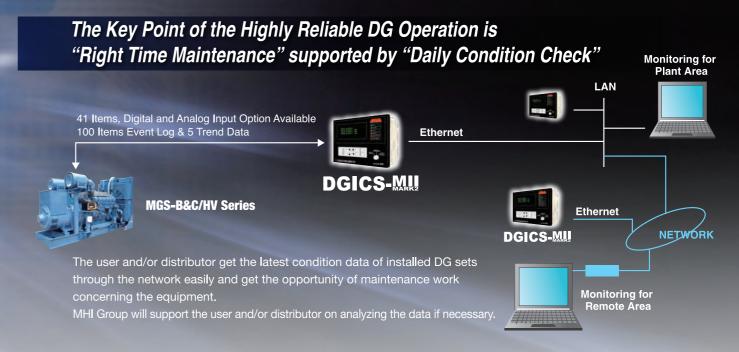


"Flexible In"

### The Design Concept of DGICS-MII System Always Aims "Safe & Right Operation".

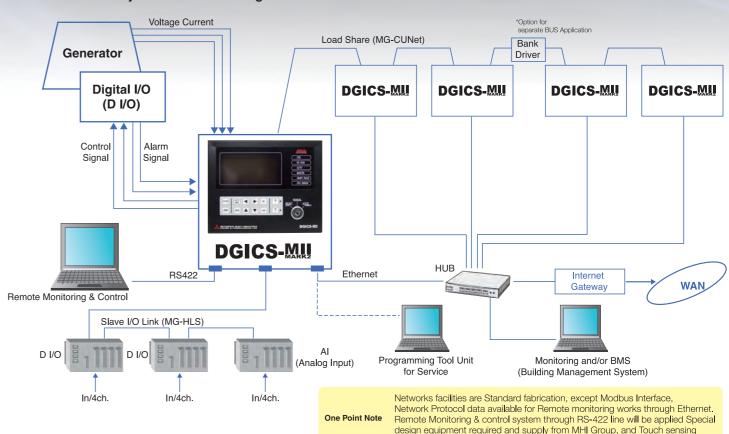


Patent No. 3958255 and 3993535



### Communication Possibility

#### **■**DGICS-MII System Interface Configuration



control system is standard provision for a human interface