



MARTIN POWER

P 1

MP PARALLEL

Basic informations and accesories

P1 - Parallel

Nominal current In [A]	25-5000
Voltage system - standard	TN - S
Standardly placed	On base frame

Execution

SPTM - Parallel cooperation of genset with mains

MINT - Parallel cooperation of multiple gensets or multiple gensets with mains

Main tasks

Parallel operation of genset with mains or other genset

Automatic and manual synchronizing to the mains or other gensets

Operating modes

OFF - Genset is in blocking state and doesn't responds neither to blackout nor to commands from control panel

MAN - Genset is in manual mode and is controlled by buttons on control panel.

AUT - Genset is in automatic mode. If there is blackout, genset starts and take load. After restore of mains genset leaves the load, cools down and stops.

TEST - Genset is in testing mode, which is designed for testing of functionality of backup systems.



Available options

TEST of genset with load

Automatic periodic test

Automatic fuel filling device

Horn

Potential free command "Fuel reserve"

Remote control panel with TOTAL STOP

Remote control panel without TOTAL STOP

Remote control through RS485

Remote control through USB

Remote control through GSM / GPRS MODEM

Remote control through ETHERNET / INTERNET

Remote control through ETHERNET / INTERNET - protocol SNMP

Increased mechanical protection

Forced ventilation

Anticondensation heater

Tunnel terminals



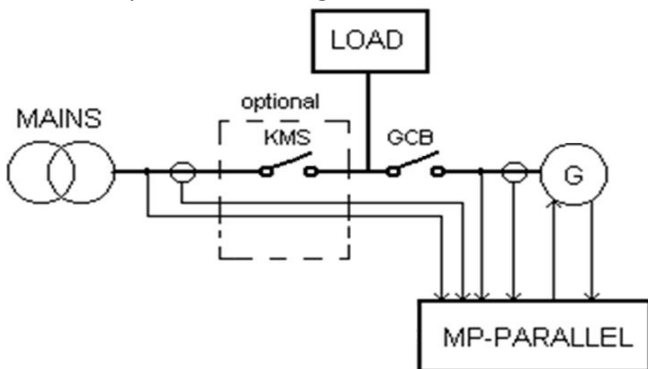
Advanced informations

Mechanical protection IP 40/20
Mode OFF, MAN, AUT, TEST
Manual control of contactors in MAN mode
Remote start/stop
Manual forward and reverse synchronization
Automatic forward and reverse synchronization
Reverse synchronization at mains return
Starting battery charger
Engine preheater
Generator voltage – L1,L2,L3 - digital
Generator current L1,L2,L3 – digital
Mains voltage – L1,L2,L3 - digital
Generator frequency – digital
Generator apparent power [kVA] – digital
Generator active power [kW] - digital
Generator reactive power [kVAR] - digital
Power factor [cos fi]
Digital synchroscope with monitoring of synchronization proces
Produced energy [kWh] - digital
Engine speed - digital
Hours counter - digital
Oil pressure – digital

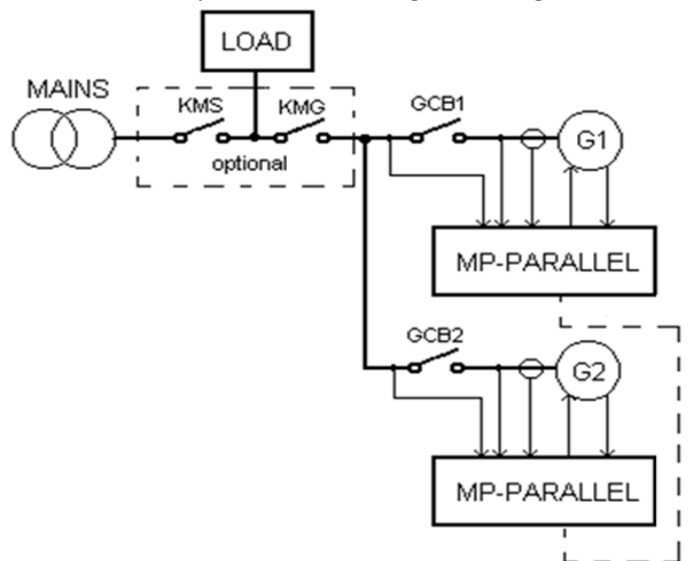
Advanced informations

Coolant temperature – digital
Fuel level [%/ litres]– digital
Starting battery voltage - digital
Signalization AUT mode
Engine running signalization
Signalization of contactors (mains – generator) status
Total stop
Low oil pressure - protection
High engine temperature - protection
Fail to start – protection
Charger failure / belt break protection
Over / under voltage – protection
Over / under frequency – protection
Fuel reserve – protection
Potential free command “Engine running”
History (500 records)
Potential free command “Common alarm”
Control of air cooling system
Communication protocol STANDARD
Communication protocol MODBUS
Remote control through RS232
PC software for control, monitoring and adjusting of controller

Parallel operation of the genset with the mains



Parallel operation of more gensets together



- Other special functions and accessories are available according to customer request
- All pictures are for informational purposes only
- We reserve the right to change the specification without notice