

HYBRID LINE

**power**  
and innovation

**designed and created  
for your needs**

**12 kVA**  
combined **power**

**9,5h** run time

**remote  
telemetry**



**STAGE 5  
CERTIFIED**

Designed to provide  
an exceptional level  
of performance  
for every work on site  
ensuring the right  
balance between power  
and ease of use

**MGTP  
5000/12 TH**



**more sustainable  
and environmentally  
friendly future**

 **TRIME**<sup>®</sup>  
Power Division

# MGTP 5000/12 TH



**REDUCTION**  
emissions **CO<sub>2</sub>**

## APPLICATIONS



## FEATURES

- ✓ DSE 3110 controller
- ✓ 5" Touch monitoring display controller
- ✓ Communication-centre device
- ✓ 48V/400A BMS to protect the batteries
- ✓ 4G/GPS Antenna + Modem
- ✓ **Remote telemetry & management**
- ✓ Auto recharge of the batteries
- ✓ Automatic peak shaving mode
- ✓ Sides forklift pockets & Central lifting hook
- ✓ Lockable control panel
- ✓ Main circuit breaker & Earth leakage relay
- ✓ Emergency Stop button
- ✓ Bunded tank
- ✓ 3-way valve for external tank
- ✓ Battery switch

**hybrid**  
technology



**HYBRID LINE**

Code	RP47-5MS11
<b>Dimensions</b>	
L x W x H (mm)	1700x1066x1450
Weight (Kg)	800
<b>Technical Data</b>	
Continuous power (VA)	5000
Battery pack capacity (Wh)	11776
Capacity available DOD 80% (Wh)	9421
Voltage (V)	230
Frequency (Hz)	50
<b>Inverter</b>	
Nominal power (VA)	5000
Q.ty	1
System voltage (V)	48
Max charging current (A)	70
<b>Batteries</b>	
Type	LiFePO4
Q.ty	2
Nominal Voltage (V)	25,6
Nominal Capacity (Ah)	230
Cycle Life DOD 80%	>4000
<b>Engine</b>	
Brand	Kubota
Model	D1105
Speed	1500
Cooling system	Water
Emission	Stage V
Fuel Tank (l)	200
<b>Alternator</b>	
Brand	Zanardi
Model	PE28 2VS/4
Rated output (kVA)	8
Frequency (Hz)	50
Power factor (cos φ)	0,8
<b>Distribution panel</b>	
Inlet Plug	1x 32A-230V
Outlet Sockets	1x 32A-230V
	1x 16A-230V
<b>Performances</b>	
Running time on batteries (h) 25% load	9,5
Running time on batteries (h) 50% load	4,5
Running time on batteries (h) 75% load	3,0
Recharge time from engine (h)	5
<b>Available optional</b>	
MC4 connectors + MPPT solar charger for external solar panels	
Mat heating system for batteries to work in cold ambients	



**easy handling & transportability**



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