

SOLAR
HYBRID LINE

power
and innovation

designed and created
for your needs

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 THS

12 kVA
combined power

9,5h run time

4 x 40W
solar panels

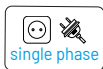
STAGE 5
CERTIFIED



more sustainable
and environmentally
friendly future

 **TRIME**[®]
Power Division

MGTP 5000/12 THS



REDUCTION
emissions **CO₂**

APPLICATIONS



Constructions



Road works



Films set



Events

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

Solar Panels

Power (W)	40
Q.ty	4
Type	Monocrystalline
Tilting	Electric
Solar charger	MPPT 150/35

solar hybrid
technology



SOLAR HYBRID LINE

Code	RP47-5MS11S
Dimensions	
L x W x H (mm)	1700x1066x1450
Dray weight (Kg)	800
Technical Data	
Continuous power (VA)	5000
Battery pack capacity (Wh)	11776
Capacity available DOD 80% (Wh)	9421
Voltage (V)	230
Frequency (Hz)	50
Inverter	
Nominal power (VA)	5000
Q.ty	1
System voltage (V)	48
Max charging current (A)	70
Batteries	
Type	LiFePO4
Q.ty	2
Nominal Voltage (V)	25,6
Nominal Capacity (Ah)	230
Cycle Life DOD 80%	>4000
Engine	
Brand	Kubota
Model	D1105
Speed	1500
Cooling system	Water
Emission	Stage V
Fuel Tank (l)	200
Alternator	
Brand	Zanardi
Model	PE28 2VS/4
Rated output (kVA)	8
Frequency (Hz)	50
Power factor (cos φ)	0,8
Distribution panel	
Inlet Plug	1x 32A-230V
Outlet Sockets	1x 32A-230V 1x 16A-230V
Performances	
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
Available options	
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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