

T-ZERO^{PRO}

POWER & INNOVATION



SOLAR HYBRID
technology



LITHIUM
battery

STAGE 5
CERTIFIED



Kubota



1500
RPM



WATER
cooled



DIESEL



SINGLE
phase

MGTP 5000/12 THS

Code **RP47-5MS11S**

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
QTY	1
System voltage (V)	48
Max charging current (A)	70

Batteries

Type	LiFePO4
QTY	2
Nominal Voltage (V)	25,6
Nominal Capacity (Ah)	230
Cycle Life DOD 80%	> 4000

Solar Panels

Power	40
QTY	4
Type	Monocrystalline
Tilting	Electric
Solar charger	MPPT 150/35

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	7,5
Running time on batteries (h) 50% load	4,0
Running time on batteries (h) 75% load	2,5
Recharge time from engine (h)	5

Standard Features

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

Available options

- MC4 connectors + MPPT solar charger for external solar panels
- Mat heating system for batteries to work in cold temperatures

Dimension

Length (mm)	1700
Width (mm)	1066
Height (mm)	1450
Dry weight (Kg)	800

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