

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
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

Solar Panels

Power	40
Q.ty	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 optionals

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

Dimension

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

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