

## T-ZERO<sup>PRO</sup>

### POWER & INNOVATION



**SOLAR HYBRID**  
technology



**LITHIUM**  
battery

**STAGE 5**  
CERTIFIED



**Kubota**



**1500**  
RPM



**WATER**  
cooled



**DIESEL**



**SINGLE**  
phase



#### MGTP 8000/12 THS

Code **RP47-8MS12S**

#### Technical data

Continuous power (VA)	8000
Battery pack capacity (Wh)	11776
Capacity available DOD 80% (Wh)	9421
Voltage (V)	230
Frequency (Hz)	50

#### Inverter

Nominal power (VA)	8000
Q.ty	1
System voltage (V)	48
Max charging current (A)	110

#### 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	Linz
Model	PRO 18S A/4
Rated output (kVA)	20
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	5,0
Running time on batteries (h) 50% load	2,5
Running time on batteries (h) 75% load	1,5
Recharge time from engine (h)	3,5

#### 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 ambients

#### Dimension

Length (mm)	1700
Width (mm)	1066
Height (mm)	1450
Dry weight (Kg)	920

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