

T-ZERO^{PRO}

POWER & INNOVATION



SOLAR HYBRID
technology



LITHIUM
battery

STAGE 5
CERTIFIED



KOHLER



1500
RPM



WATER
cooled



DIESEL



SINGLE
phase



THREE
phase

MGTP 45000/60 THS

Code **RP313-45TS9S**

Technical data

Continuous power (VA) 45000

Battery pack capacity (Wh) 62259

Capacity available DOD 80% (Wh) 49807

Voltage (V) 230/400

Frequency (Hz) 50

Inverter

Nominal power (VA) 15000

Q.ty 3

System voltage (V) 48

Max charging current (A) 200

Batteries

Type LiFePO4

Q.ty 8

Nominal Voltage (V) 25,6

Nominal Capacity (Ah) 304

Cycle Life DOD 80% > 4000

Solar Panels

Power 360

Q.ty 4

Type Monocrystalline

Tilting Electric

Solar charger MPPT 150/35

Engine

Brand Kohler

Model KDI2504TCR

Speed 1500

Cooling system Water

Emission Stage V

Fuel Tank (l) 700

Alternator

Brand Linz

Model PRO 22S D/4

Rated output (kVA) 100

Frequency (Hz) 50

Power factor (cos ϕ) 0,8

Distribution Panel

Inlet Plug 1x 63A-400V

1x 63A-400V

Outlet Sockets 1x 32A-400V

1x 16A-230V



Performances

Running time on batteries (h) 25% load 4,5

Running time on batteries (h) 50% load 2,0

Running time on batteries (h) 75% load 1,5

Recharge time from engine (h) 3,5

Standard Features

MRS 16 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/1000A BMS + Distributor 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

- RSV 32A plug + MPPT solar charger for external solar panels
- Mat heating system for batteries to work in cold ambients
- OptiGen PRO controller c/w remote check & management and CO2-Fuel savings calculator

Dimension

Length (mm)	3335
Width (mm)	2210
Height (mm)	2268
Dry weight (Kg)	3700

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