

SOLAR HYBRID LINE

MGTP 45000/60 THS

T-ZERO^{PRO}

POWER & INNOVATION



KOHLER



1500 RPM



WATER cooled



DIESEL



SINGLE phase



THREE phase



SOLAR HYBRID technology



LITHIUM battery

STAGE 5
CERTIFIED

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	5,5
Running time on batteries (h) 50% load	3,0
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

The company reserves the right to modify the technical specifications, items and design without notice. The images of the products are indicative for illustrative purposes only.