

SOLAR HYBRID LINE

MGTP 30000/60 THS

T-ZERO^{PRO}

POWER & INNOVATION



SOLAR HYBRID
technology



LITHIUM
battery

STAGE 5
CERTIFIED



KOHLER



1500
RPM



DIESEL



WATER
cooled



SINGLE
phase



THREE
phase

MGTP 30000/60 THS

Code **RP313-30TS8S**

Technical data

| | |
|---------------------------------|---------|
| Continuous power (VA) | 30000 |
| Battery pack capacity (Wh) | 62259 |
| Capacity available DOD 80% (Wh) | 49807 |
| Voltage (V) | 230/400 |
| Frequency (Hz) | 50 |

Inverter

| | |
|--------------------------|-------|
| Nominal power (VA) | 10000 |
| QTY | 3 |
| System voltage (V) | 48 |
| Max charging current (A) | 140 |

Batteries

| | |
|-----------------------|---------|
| Type | LiFePO4 |
| QTY | 8 |
| Nominal Voltage (V) | 25,6 |
| Nominal Capacity (Ah) | 304 |
| Cycle Life DOD 80% | > 4000 |

Solar Panels

| | |
|---------------|-----------------|
| Power | 360 |
| QTY | 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 | Stamford |
| Model | UCI224G |
| Rated output (kVA) | 56 |
| 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 | 7,0 |
| Running time on batteries (h) 50% load | 3,5 |
| Running time on batteries (h) 75% load | 2,0 |
| Recharge time from engine (h) | 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 options

| |
|--|
| RSV 32A plug + MPPT solar charger for external solar panels |
| Mat heating system for batteries to work in cold temperatures |
| Intelligen 500 controller c/w remote check & management and CO ₂ -Fuel savings calculator |

Dimension

| | |
|-----------------|------|
| Length (mm) | 3335 |
| Width (mm) | 2210 |
| Height (mm) | 2268 |
| Dry weight (Kg) | 3150 |

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.

TRIME
Power Division

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