

SOLAR
HYBRID LINE

power
and innovation

designed and created
for your needs

Designed to provide
an exceptional level
of performance
for every work on site
ensuring the right
balance between power
and ease of use

MGTP
24000/30 THS

T-ZERO^{PRO}

39 KVA
combined power

5h run time

2 x 360W
extendable solar panels

STAGE 5
CERTIFIED



more sustainable
and environmentally
friendly future

 **TRIME[®]**
Power Division

MGTP 24000/30 THS

T-ZERO^{PRO}



**REDUCTION
emissions** CO₂

APPLICATIONS



Constructions



Mining operations



Events



Military applications

FEATURES

- ✓ MRS 16 controller
- ✓ 5" Touch monitoring display controller
- ✓ Communication-centre device
- ✓ 48V/1000A BMS to protect the batteries
- ✓ 4G/GPS Antenna + Modem
- ✓ Remote telemetry & management
- ✓ Auto recharge of the batteries
- ✓ Automatic peak shaving mode
- ✓ Sides forklift pockets & 4 corners lifting hooks
- ✓ Lockable control panel
- ✓ Main circuit breaker & Earth leakage relay
- ✓ Emergency Stop button
- ✓ Bunded tank
- ✓ 3-way valve for external tank
- ✓ Battery switch

Solar Panels

| | |
|---------------|------------------------|
| Power (W) | 360 |
| Q.ty | 2 |
| Type | Monocrystalline |
| Tilting | Electric |
| Solar charger | MPPT 100/20 |

SOLAR HYBRID LINE

| | |
|--|----------------|
| Code | RP314-24TS7S |
| Dimensions | |
| L x W x H (mm) | 2441x1131x1920 |
| Weight (Kg) | 1710 |
| Technical Data | |
| Continuous power (VA) | 24000 |
| Battery pack capacity (Wh) | 31130 |
| Capacity available DOD 80% (Wh) | 24904 |
| Voltage (V) | 230/400 |
| Frequency (Hz) | 50 |
| Inverter | |
| Nominal power (VA) | 8000 |
| Q.ty | 3 |
| System voltage (V) | 48 |
| Max charging current (A) | 110 |
| Batteries | |
| Type | LiFePO4 |
| Q.ty | 4 |
| Nominal Voltage (V) | 25,6 |
| Nominal Capacity (Ah) | 304 |
| Cycle Life DOD 80% | >4000 |
| Engine | |
| Brand | Yanmar |
| Model | 4TNV88 |
| Speed | 1500 |
| Cooling system | Water |
| Emission | Stage V |
| Fuel Tank (l) | 250 |
| Alternator | |
| Brand | Linz |
| Model | PRO 18M E/4 |
| Rated output (kVA) | 42 |
| 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 | 5,0 |
| Running time on batteries (h) 50% load | 2,5 |
| Running time on batteries (h) 75% load | 1,5 |
| Recharge time from engine (h) | 3 |
| Available options | |
| RSV 32A plug + MPPT solar charger for external solar panels | |
| Mat heating system for batteries to work in cold ambients | |
| OptionGEN PRO controller c/w remote check & management and CO2-Fuel savings calculator | |

**solar hybrid
technology**



easy handling & transportability



TRIME®

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