

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**  
**15000/24 THS**

**6,5h** run time

**4 x 40W**  
solar panels



**more sustainable  
and environmentally  
friendly future**

 **TRIME**<sup>®</sup>  
Power Division

# MGTP 15000/24 THS



**REDUCTION**  
emissions **CO<sub>2</sub>**

## APPLICATIONS



## FEATURES

- ✓ DSE 3110 controller
- ✓ 5" Touch monitoring display controller
- ✓ Communication-centre device
- ✓ 48V/400A BMS to protect the batteries
- ✓ 4G/GPS Antenna + Modem
- ✓ **Remote telemetry & management**
- ✓ Auto recharge of the batteries
- ✓ Automatic peak shaving mode
- ✓ Sides forklift pockets & Central lifting hook
- ✓ 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)     | 40              |
| Q.ty          | 4               |
| Type          | Monocrystalline |
| Tilting       | Electric        |
| Solar charger | MPPT 150/35     |

## SOLAR HYBRID LINE

|                                                               |                |
|---------------------------------------------------------------|----------------|
| Code                                                          | RP117-15TS8S   |
| <b>Dimensions</b>                                             |                |
| L x W x H (mm)                                                | 2180x1222x1585 |
| Dray weight (Kg)                                              | 1470           |
| <b>Technical Data</b>                                         |                |
| Continuous power (VA)                                         | 15000          |
| Battery pack capacity (Wh)                                    | 23552          |
| Capacity available DOD 80% (Wh)                               | 18842          |
| Voltage (V)                                                   | 230/400        |
| Frequency (Hz)                                                | 50             |
| <b>Inverter</b>                                               |                |
| Nominal power (VA)                                            | 5000           |
| Q.ty                                                          | 3              |
| System voltage (V)                                            | 48             |
| Max charging current (A)                                      | 70             |
| <b>Batteries</b>                                              |                |
| Type                                                          | LiFePO4        |
| Q.ty                                                          | 2              |
| Nominal Voltage (V)                                           | 25,6           |
| Nominal Capacity (Ah)                                         | 230            |
| Cycle Life DOD 80%                                            | >4000          |
| <b>Engine</b>                                                 |                |
| Brand                                                         | Yanmar         |
| Model                                                         | 4TNV88         |
| Speed                                                         | 1500           |
| Cooling system                                                | Water          |
| Emission                                                      | Stage V        |
| Fuel Tank (l)                                                 | 320            |
| <b>Alternator</b>                                             |                |
| Brand                                                         | Linz           |
| Model                                                         | PRO 18M E/4    |
| Rated output (kVA)                                            | 42             |
| Frequency (Hz)                                                | 50             |
| Power factor (cos φ)                                          | 0,8            |
| <b>Distribution panel</b>                                     |                |
| Inlet Plug                                                    | 1x 32A-400V    |
|                                                               | 1x 32A-400V    |
| Outlet Sockets                                                | 1x 16A-400V    |
|                                                               | 1x 16A-230V    |
| <b>Performances</b>                                           |                |
| Running time on batteries (h) 25% load                        | 6,5            |
| Running time on batteries (h) 50% load                        | 3,0            |
| Running time on batteries (h) 75% load                        | 2,0            |
| Recharge time from engine (h)                                 | 3,5            |
| <b>Available optionals</b>                                    |                |
| MC4 connectors + MPPT solar charger for external solar panels |                |
| Mat heating system for batteries to work in cold ambients     |                |

**solar hybrid  
technology**



**easy handling & transportability**



**TRIME®**

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