

SOLAR  
HYBRID LINE

power  
and innovation

**39 KVA**  
combined power

**5h run time**

**2 x 360W**  
extendable solar panels

**STAGE 5**  
CERTIFIED



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**

more sustainable  
and environmentally  
friendly future

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

# MGTP 24000/30 THS



**REDUCTION**  
emissions  $CO_2$

## APPLICATIONS



Constructions



Mining operations



Events



Military applications

## FEATURES

- ✔ MRS 16 controller
- ✔ 5" Touch monitoring display controller
- ✔ Communication-centre device
- ✔ 48V/600A 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)	<b>360</b>
Q.ty	<b>2</b>
Type	<b>Monocrystalline</b>
Tilting	<b>Electric</b>
Solar charger	<b>MPPT 100/20</b>

## SOLAR HYBRID LINE

Code	RP314-24TS7S
<b>Dimensions</b>	
L x W x H (mm)	<b>2441x1131x1920</b>
Dray weight (Kg)	<b>1710</b>
<b>Technical Data</b>	
Continuous power (VA)	<b>24000</b>
Battery pack capacity (Wh)	<b>31130</b>
Capacity available DOD 80% (Wh)	<b>24904</b>
Voltage (V)	<b>230/400</b>
Frequency (Hz)	<b>50</b>
<b>Inverter</b>	
Nominal power (VA)	<b>8000</b>
Q.ty	<b>3</b>
System voltage (V)	<b>48</b>
Max charging current (A)	<b>110</b>
<b>Batteries</b>	
Type	<b>LiFePO4</b>
Q.ty	<b>4</b>
Nominal Voltage (V)	<b>25,6</b>
Nominal Capacity (Ah)	<b>304</b>
Cycle Life DOD 80%	<b>&gt;4000</b>
<b>Engine</b>	
Brand	<b>Yanmar</b>
Model	<b>4TNV88</b>
Speed	<b>1500</b>
Cooling system	<b>Water</b>
Emission	<b>Stage V</b>
Fuel Tank (l)	<b>250</b>
<b>Alternator</b>	
Brand	<b>Linz</b>
Model	<b>PRO 18M E/4</b>
Rated output (kVA)	<b>42</b>
Frequency (Hz)	<b>50</b>
Power factor (cos φ)	<b>0,8</b>
<b>Distribution panel</b>	
Inlet Plug	<b>1x 63A-400V</b>
	<b>1x 63A-400V</b>
Outlet Sockets	<b>1x 32A-400V</b>
	<b>1x 16A-230V</b>
<b>Performances</b>	
Running time on batteries (h) 25% load	<b>5,0</b>
Running time on batteries (h) 50% load	<b>2,5</b>
Running time on batteries (h) 75% load	<b>1,5</b>
Recharge time from engine (h)	<b>3</b>
<b>Available options</b>	
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



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