

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**

**39 KvA**  
combined power  
**5h** run time  
**2 x 360W**  
extendable solar panels

**STAGE 5**  
CERTIFIED

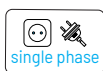


more sustainable  
and environmentally  
friendly future

 **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 $\phi$ )	<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



**easy handling & transportability**



**TRIME®**

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