HYBRID LINE

designed and created for your needs

power and innovation



32 KVA

6,5h run time



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 TH



more sustainable and environmentally friendly future







Code



APPLICATIONS











- DSE 3110 controller
- Communication-centre device
- 48V/600A BMS to protect the batteries
- 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

LxWxH(mm) 2180x1222x1585 Weight(Kg) 1470 Technical Data 15000 Battery pack capacity (Wh) 23552 Capacity available DOD 80% (Wh) 18842 Voltage (V) 230/400 Frequency (Hz) 50 Inverter Inverter Nominal power (VA) 5000 0.ty 3 System voltage (V) 48 Max charging current (A) 70 Batteries Type Type LiFeP04 O.ty 4 Nominal Voltage (V) 25,6 Nominal Capacity (Ah) 230 Cycle Life DOD 80% >4000 Engine Frand Brand Yanmar Model 4TNV88 Speed 1500 Cooling system Water Emission Stage V Fuel Tank (I) 320 Alternator Brand Brand Linz Model PRO 18M E/4 Rated	Dimensions	
Technical Data Continuous power (VA) 15000 Battery pack capacity (Wh) 23552 Capacity available DOD 80% (Wh) 18842 Voltage (V) 230/400 Frequency (Hz) 50 Inverter Nominal power (VA) 5000 0.ty 3 System voltage (V) 48 Max charging current (A) 70 Batteries Type LiFeP04 0.ty 4 Nominal Voltage (V) 25,6 Nominal Capacity (Ah) 230 Cycle Life DDD 80% >4000 Engine Fragine Brand Yanmar Model 4TNV88 Speed 1500 Cooling system Water Emission Stage V Fuel Tank (I) 320 Alternator Brand Brand Linz Model PRO 18M E/4 Rated output (kVA) 42 Frequency (Hz) <	L x W x H (mm)	2180x1222x1585
South Sout	Weight (Kg)	1470
Battery pack capacity (Wh) 23552	Technical Data	
Capacity available DOD 80% (Wh) 18842	Continuous power (VA)	15000
Voltage (V) 230/400 Frequency (Hz) 50 Inverter Nominal power (VA) 5000 0.ty 3 System voltage (V) 48 Max charging current (A) 70 Batteries Type LiFeP04 0.ty 4 Nominal Voltage (V) 25,6 Nominal Capacity (Ah) 230 Cycle Life DOD 80% >4000 Engine Frand Brand Yanmar Model 4TNV88 Speed 1500 Cooling system Water Emission Stage V Fuel Tank (I) 320 Alternator Brand Brand Linz Model PRO 18M E/4 Rated output (kVA) 42 Frequency (Hz) 50 Power factor (cos ф) 0,8 Distribution panel Inlet Plug 1x 32A-400V Ix 16A-400V 1x 16A-230V Performances </td <td>Battery pack capacity (Wh)</td> <td>23552</td>	Battery pack capacity (Wh)	23552
Frequency (Hz)	Capacity available DOD 80% (Wh)	18842
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Q.ty 3 System voltage (V) 48 Max charging current (A) 70 Batteries	Inverter	
System voltage (V)	Nominal power (VA)	5000
Max charging current (A) 70 Batteries Type LiFeP04 0.ty 4 Nominal Voltage (V) 25,6 Nominal Capacity (Ah) 230 >4000 Engine Fund Yanmar Model 4TNV88 Speed Speed 1500 Cooling system Water Emission Stage V Fuel Tank (I) 320 Alternator Brand Linz Model PRO 18M E/4 Rated output (kVA) 42 Frequency (Hz) 50 Power factor (cos ф) 0,8 Distribution panel Inlet Plug 1x 32A-400V Inlet Plug 1x 32A-400V 1x 16A-400V 1x 16A-400V 1x 16A-230V Performances 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 Available optionals	Q.ty	3
Batteries Type LiFeP04 0.ty 4 Nominal Voltage (V) 25,6 Nominal Capacity (Ah) 230 Cycle Life DOD 80% >4000 Engine Frand Brand Yanmar Model 4TNV88 Speed 1500 Cooling system Water Emission Stage V Fuel Tank (I) 320 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 Inlet Plug 1x 32A-400V 1x 16A-400V 1x 16A-400V 1x 16A-230V Performances Running time on batteries (h) 25% load 6,5 Running time on batteries (h) 75% load 2,0 Recharge time from engine (h) 3,5 Available optionals	System voltage (V)	48
Type	Max charging current (A)	70
0.ty 4 Nominal Voltage (V) 25,6 Nominal Capacity (Ah) 230 Cycle Life DOD 80% >4000 Engine Pand Brand Yanmar Model 4TNV88 Speed 1500 Cooling system Water Emission Stage V Fuel Tank (I) 320 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 Inlet Plug 1x 32A-400V 1x 16A-400V 1x 16A-230V Performances 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 Available optionals	Batteries	
Nominal Voltage (V) 25,6 Nominal Capacity (Ah) 230 Cycle Life DOD 80% >4000 Engine Brand Yanmar Model 4TNV88 Speed 1500 Cooling system Water Emission Stage V Fuel Tank (I) 320 Alternator Brand Linz Model PR0 18M E/4 Rated output (kVA) 42 Frequency (Hz) 50 Power factor (cos ф) 0,8 Distribution panel Inlet Plug 1x 32A-400V 1x 32A-400V 1x 16A-230V Performances Running time on batteries (h) 25% load Running time on batteries (h) 50% load Running time on batteries (h) 75% load Recharge time from engine (h) 3,5 Available optionals	Туре	LiFeP04
Nominal Capacity (Ah) 230 Cycle Life DOD 80% >4000 Engine Frand Brand Yanmar Model 4TNV88 Speed 1500 Cooling system Water Emission Stage V Fuel Tank (I) 320 Alternator Brand Linz Model PRO 18M E/4 Rated output (kVA) 42 Frequency (Hz) 50 Power factor (cos ф) 0,8 Distribution panel Inlet Plug Inlet Plug 1x 32A-400V Ix 16A-2400V Ix 16A-230V Performances 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 Available optionals	Q.ty	4
Cycle Life DOD 80% >4000 Engine Fund Brand Yanmar Model 4TNV88 Speed 1500 Cooling system Water Emission Stage V Fuel Tank (I) 320 Alternator Brand Linz Model PR0 18M E/4 Rated output (kVA) 42 Frequency (Hz) 50 Power factor (cos ф) 0,8 Distribution panel Inlet Plug Inlet Plug 1x 32A-400V 1x 16A-2400V 1x 16A-230V Performances 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 Available optionals	Nominal Voltage (V)	25,6
Brand Yanmar	Nominal Capacity (Ah)	230
Brand Yanmar	Cycle Life DOD 80%	>4000
Model 4TNV88 Speed 1500 Cooling system Water Emission Stage V Fuel Tank (I) 320 Alternator Brand Linz Model PR0 18M E/4 Rated output (kVA) 42 Frequency (Hz) 50 Power factor (cos φ) 0,8 Distribution panel 1x 32A-400V Inlet Plug 1x 32A-400V Outlet Sockets 1x 16A-400V Performances 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 Available optionals	Engine	
Speed 1500	Brand	Yanmar
Cooling system Water	Model	4TNV88
Emission Stage V Fuel Tank (I) 320 Alternator Brand Linz Model PRO 18M E/4 Rated output (kVA) 42 Frequency (Hz) 50 Power factor (cos \$\phi\$) 0,8 Distribution panel Inlet Plug 1x 32A-400V 1x 32A-400V 1x 16A-230V Performances Running time on batteries (h) 25% load Running time on batteries (h) 50% load Running time on batteries (h) 75% load Recharge time from engine (h) 3,5 Available optionals	Speed	1500
Fuel Tank (I) 320 Alternator Brand Linz Model PR0 18M E/4 Rated output (kVA) 42 Frequency (Hz) 50 Power factor (cos φ) 0,8 Distribution panel 1x 32A-400V Inlet Plug 1x 32A-400V 1x 16A-400V 1x 16A-230V Performances 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 Available optionals	Cooling system	Water
Alternator Brand Linz Model PR0 18M E/4 Rated output (kVA) 42 Frequency (Hz) 50 Power factor (cos φ) 0,8 Distribution panel Ix 32A-400V Inlet Plug 1x 32A-400V 0utlet Sockets 1x 16A-400V 1x 16A-230V Performances 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 Available optionals	Emission	Stage V
Brand Linz Model PR0 18M E/4 Rated output (kVA) 42 Frequency (Hz) 50 Power factor (cos φ) 0,8 Distribution panel 1x 32A-400V Inlet Plug 1x 32A-400V 0utlet Sockets 1x 16A-400V 1x 16A-230V Performances 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 Available optionals	Fuel Tank (I)	320
Model PR0 18M E/4 Rated output (kVA) 42 Frequency (Hz) 50 Power factor (cos φ) 0,8 Distribution panel 1x 32A-400V Inlet Plug 1x 32A-400V Outlet Sockets 1x 16A-400V Ix 16A-230V Performances 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 Available optionals	Alternator	
Rated output (kVA) 42 Frequency (Hz) 50 Power factor (cos φ) 0,8 Distribution panel 1x 32A-400V Inlet Plug 1x 32A-400V 0utlet Sockets 1x 16A-400V 1x 16A-230V 1x 16A-230V Performances 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 Available optionals 42	Brand	Linz
Frequency (Hz) 50 Power factor (cos φ) 0,8 Distribution panel Inlet Plug 1x 32A-400V 1x 32A-400V 1x 16A-400V 1x 16A-230V Performances Running time on batteries (h) 25% load Running time on batteries (h) 50% load Running time on batteries (h) 75% load Running time on batteries (h) 75% load Recharge time from engine (h) 3,5 Available optionals	Model	PRO 18M E/4
Power factor (cos φ) 0,8 Distribution panel 1x 32A-400V Inlet Plug 1x 32A-400V 0utlet Sockets 1x 16A-400V 1x 16A-230V 1x 16A-230V Performances 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 Available optionals	Rated output (kVA)	42
Distribution panel	Frequency (Hz)	50
1x 32A-400V	Power factor (cos φ)	0,8
Outlet Sockets 1x 32A-400V 1x 16A-400V 1x 16A-230V Performances Running time on batteries (h) 25% load Running time on batteries (h) 50% load Running time on batteries (h) 75% load Running time on batteries (h) 75% load Recharge time from engine (h) Available optionals	Distribution panel	
Outlet Sockets 1x 16A-400V 1x 16A-230V Performances Running time on batteries (h) 25% load Running time on batteries (h) 50% load Running time on batteries (h) 75% load Recharge time from engine (h) Available optionals	Inlet Plug	1x 32A-400V
Performances 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 Available optionals	Outlet Sockets	1x 32A-400V
Performances 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 Available optionals		1x 16A-400V
Running time on batteries (h) 25% load Running time on batteries (h) 50% load Running time on batteries (h) 75% load Running time on batteries (h) 75% load Recharge time from engine (h) Available optionals		1x 16A-230V
Running time on batteries (h) 50% load Running time on batteries (h) 75% load Recharge time from engine (h) Available optionals	Performances	
Running time on batteries (h) 75% load Recharge time from engine (h) Available optionals	Running time on batteries (h) 25% load	6,5
Recharge time from engine (h) 3,5 Available optionals	Running time on batteries (h) 50% load	3,0
Available optionals	Running time on batteries (h) 75% load	2,0
	Recharge time from engine (h)	3,5
MC4 connectors + MPPT solar charger for external solar panels	Available optionals	
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HYBRID LINE

RP117-15TS8





Mat heating system for batteries to work in cold ambients

