

designed and created
for your needs

power
and innovation

WTP X-1 Hybrid

4x160W LED

The WTP X-1 Hybrid is an advanced, eco-friendly, and fully integrated mobile utility solution. Combining a high-capacity hybrid power generator with an ultra-efficient LED light mast on a heavy-duty tandem trailer.



LED TECHNOLOGIE
4.700m²
Illuminated area

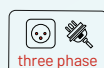
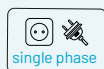
Hybrid
39kVA
Combined Power

Up to
80%
Reduced CO₂

STAGE 5
CERTIFIED

WTP X-1 Hybrid

4x160W LED



Constructions



Mining operations



Events



Military applications

FEATURES

- A mobile, eco-friendly hybrid power generator and telescopic light mast mounted on a robust 2,700 kg tandem-axle trailer.
- Combines a 24 kVA diesel generator with a ~30 kWh high-capacity lithium-ion battery pack.
- Achieves up to 80% CO₂ reduction and massive fuel savings compared to conventional diesel generators.
- Can operate 100% silently and emission-free on pure battery power, making it ideal for residential areas, night work, and events.
- The diesel engine only starts automatically when the battery needs recharging or during extreme power peaks.
- Features four fully adjustable 160W LED floodlights on a ~7-meter vertical mast, illuminating up to 4,700 m².
- Built with a hot-dip galvanized chassis, 4 stabilizing outriggers, IP65-rated lights, and wind stability up to 110 km/h.

solar hybrid
technology

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

Dimensions

L x W x H (mm)	4175x1755x2554
Weight (Kg)	2700

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

Solar Panels

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

Floodlights

Type	Led
Power (each)	160W
Floodlights number	4
IP level	65
Illuminated area (sqm)	4700