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Hybrid
Power
Supply



Strong
Adaptability



Intelligent
Control

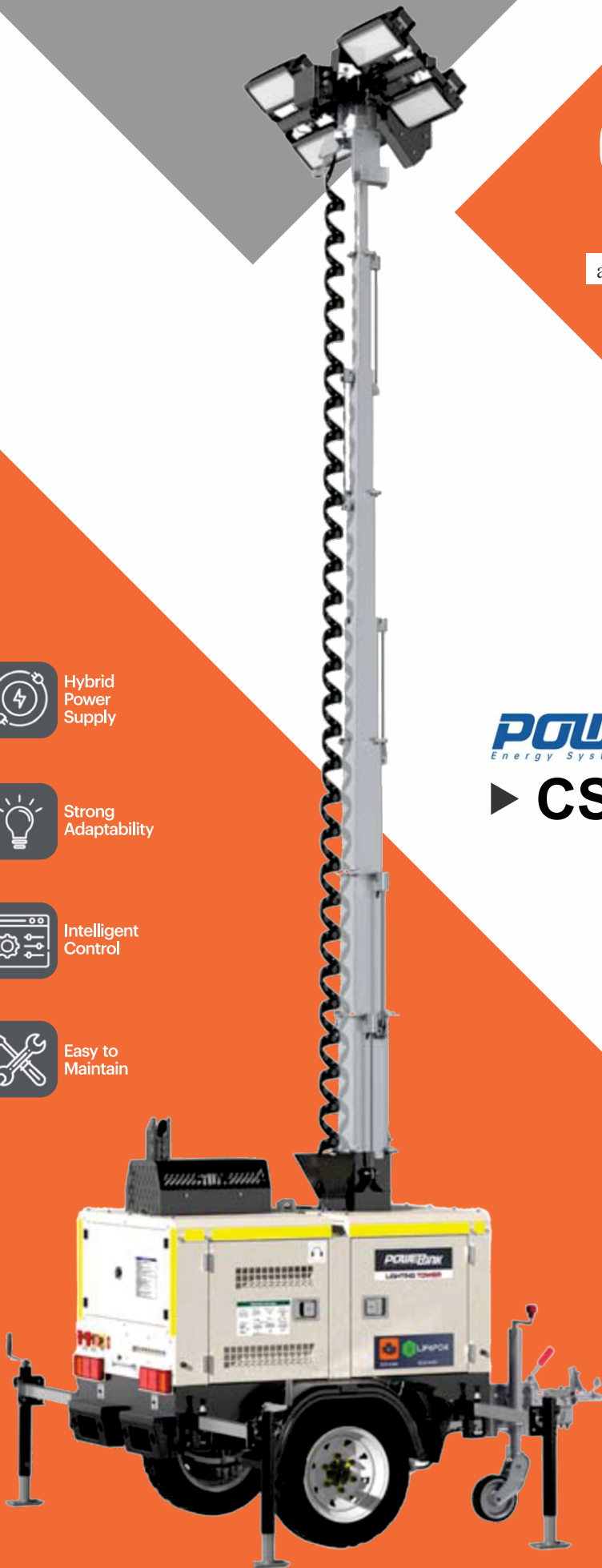


Easy to
Maintain

POWERink
Energy Systems

► **CS2000-HKDC**

**Mobile
Hybryd
Power**



Sales & Hire



0811 5958 484



inquiries@ptcoates.com



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Mobile Hybrid Power Lighting Tower

Energy Storage Battery / Diesel Generator

CS2000-HKDC is high-efficiency mobile hybrid-powered lighting tower, integrating energy storage batteries and diesel generator, specifically designed to meet continuous illumination demands in extreme environments. Equipped with 10.2kWh energy storage battery, 3kW DC generator, for noise-sensitive scenarios like nighttime. Equipped with a PLC intelligent control system, support three operation modes: battery-powered mode, generator-powered mode, and hybrid-powered mode.

These modes can automatically switch based on predefined logic or be manually selected to optimize energy management. It supports three operation modes (manual, automatic, and timed) with light-sensing auto-switching and multi-stage brightness adjustment.



Hybrid Power Supply

Diesel power generation and large capacity batteries, improve energy utilization efficiency and can connect PV equipment to provide continuous and stable power support for lighting.



Strong Adaptability

Whether it is outdoor projects, emergency lighting, or event sites, the hybrid power lighting tower can cope with complex environments with strong endurance and flexible lighting control.



Intelligent Control

PLC controller is combined with the photosensitive sensor, and the device can automatically adapt to the change of light, and the bright can be adjusted.



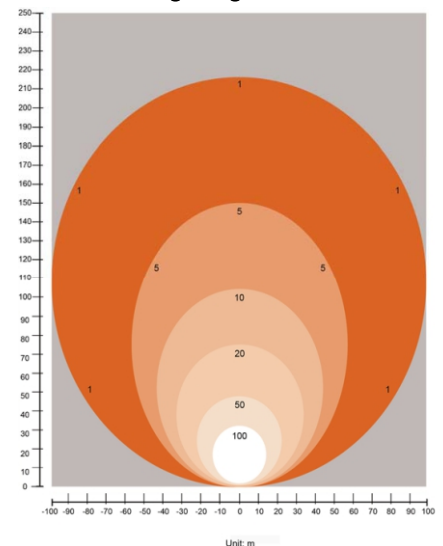
Easy to Maintain

Remote monitoring and diagnosis functions reduce the need and cost of on-site care.

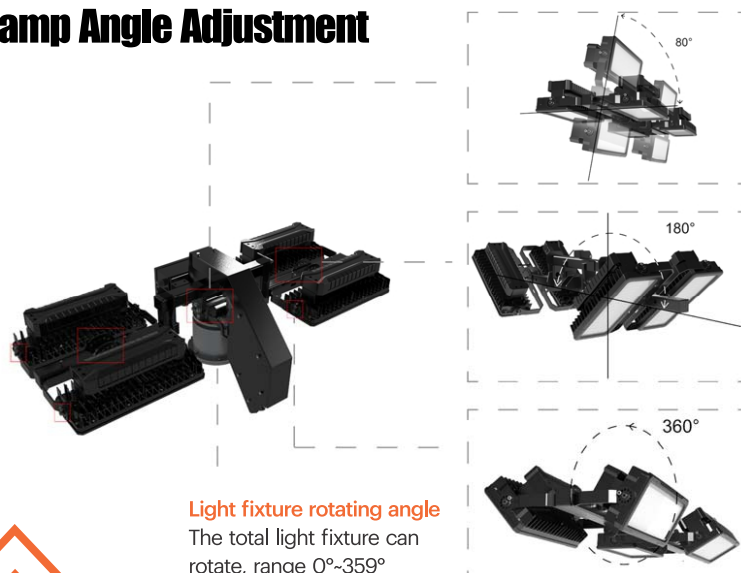


Lighting Range:

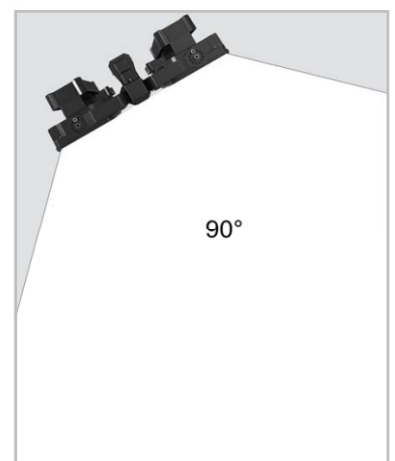
Effective lighting area 8000m



Lamp Angle Adjustment



LED Beam Angle: 90°



TECHNICAL DATA

Main Parameter

Model	CS2000-HKDC
Light type	LED
Total lighting wattage	4x320W
Luminous flux (Max)	192000 lm
Light intensity	201600 cd
Effective lighting area	8000m ² @5 lm
Rated voltage	DC 48V
Mast extended height	9m
Light fixture tilting angle	80°
Light fixture rotating angle	359°
Diesel genset rated power	3kWe
Fuel tank capacity	90L
Hydraulic oil tank capacity	5L
Max. towing speed	80km/h
Max. wind speed	100km/h
Fully extended/retracted time	12/15 s
Noise level @7m (genset power)	58dB(A)
Noise level @7m (battery power)	50dB(A)
Wet weight	1409kg
Dry weight	1319kg
Dimensions (Fully retracted)	2399x1448x2468mm
Dimensions (Fully extended)	2399x2562x9000mm
Transportation dimensions	1595x1448x2468mm
40'Loading (qty)	8

Parts Parameters

Engine	
Engine brand	KUBOTA
Engine model	Z482-E4B-ACP-1
Rated power	4.6kWm
Number of cylinders	2
Displacement	0.479L
Type of fuel	No.2-D S500 or S15
Type of oil	API-CH
Oil capacity	2.5L

LED Light	
Number	4
Power	320W
Total power	1280W

Energy Storage Battery	
Battery type	LFP
Cell capacity	200Ah
Rated power	10.2kWh
Rated voltage	51.2V
Operating temp. range	Charge: 0~60℃ Discharge: -20~55℃
Communication method	RS485 / CAN

DC Charging Interface	
Rated voltage	DC 600V
Rated current	175A

Fuel Consumption		
Load Status	2xLamps	4xLamps
Fuel Consumption(L/h)	0.36	0.62



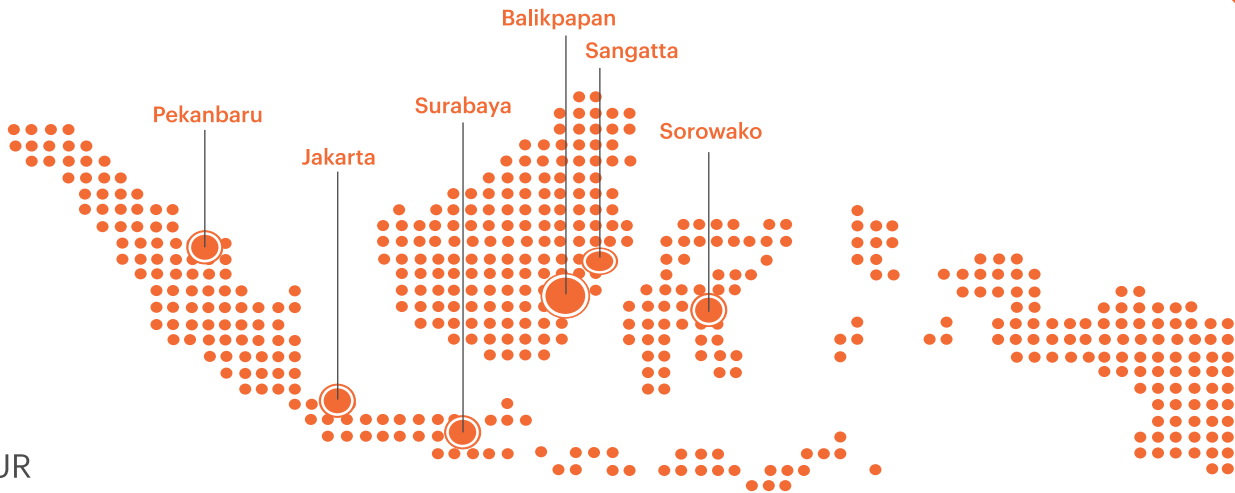
Standard Configuration

- KUBOTA Engine
- DC Alternator
- 50 Radiator
- 4x320W LED Light
- 10.2kWh Battery Capacity
- DC/DC Module
- MPPT Module
- PLC Controller
- Fuel Tank
- 9m Mast
- Hydraulic Power Unit
- Hydraulic Explosion-proof Valve
- Steel Structure Chassis
- Extended Outriggers
- Trailer And Driven Brakes
- Axle Vibration Damping
- DC Charging Interface
- Emergency Stop Button

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Indonesia

EQUIPPED FOR ANYTHING



OUR LOCATIONS

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