

POWERGLOW 1600

PowerGlow 1600 is a robust, high-performance mobile lighting tower engineered for maximum light coverage, extended runtime, and operation in the harshest environments. Featuring Tier III compliant Lister Petter engine technology, a 9-meter vertical mast, and 1600W of powerful LED illumination, this unit is ideal for construction sites, oil & gas operations, events, and remote areas.

FEATURES

- 220,000 lumens from four 400W LED floodlights; covers 5000 m²
- Towable trailer with road tires and 4 stabilizers for any terrain
- 114L fuel tank enables 250 hours runtime; Lister Petter engine with 500-hour service interval
- Operates in -25°C to +52°C; IP-rated and corrosion-resistant build
- DEESEA DSE 4520MKII controller with auto start/stop, fault protection, and remote monitoring
- Compact design—fits 16 units in a 12m trailer for easy transport
- Tier III engine compliant, safety-certified, with emergency stop and lockable doors



LED
4*400W



9 Meters
Manual Telescopic Mast



360° Manual
Rotation



Manual
Lifting system



Diesel Engine



114 L



Single Phase

General Information

Model Name	POWERGLOW 1600
Lighting Type	4 x 400W LED (Total 1600W)
Illumination Coverage	Up to 5000 m ²
Lumen Output	220,000 Lumens
Frequency	50 / 60 Hz
Voltage	230V
Prime Power Rating	10kVA @ 50Hz

Fuel System

Fuel Tank Capacity	114 Liters
Fuel Type	Diesel (BS2869 Class A2 or Equivalent)
Max Runtime	Up to 250 Hours

Trailer & Mast Specification

Trailer Type	ADP-PG 1600
Tires	2*175/65R14
Mast Type	Vertical, 4-Stage, Manual Winch
Rotation	360° with Lock
Stabilizers	4 – Extendable
Towing Mechanism	Hitch Mount



Engine Specifications

Engine Model	LP311EG1 (Euro III Compliant)
Emission Compliance	TIER III Certified
Type	4-Stroke, Naturally Aspirated
Cylinders	3 In-line
Cooling System	Liquid Cooled
Fuel System	Direct Injection, HPCR
Displacement	1.1 Liters
Rated Speed	1500 rpm
Gross Power Output	1500 rpm
Fuel Consumption @ 100% Load	3.13 L/h
Fuel Consumption @ 75% Load	2.30 L/h
Lubricating Oil Capacity	4.5 L
Coolant Capacity	6 L (with radiator)
Service Interval	500 Hours
Starting System	Electric Start, 12V
Noise Level @1m	≤ 95 dB(A)

Electrical & Control Panel

Control Panel	DEEPSEA DSE 4520MKII with Auto Start
Circuit Breaker	LS – 25A Main + 4 x 10A
Sockets	1 x 32A - 1x 16A Auxiliary
Cord	Spiral 8-wire Harness