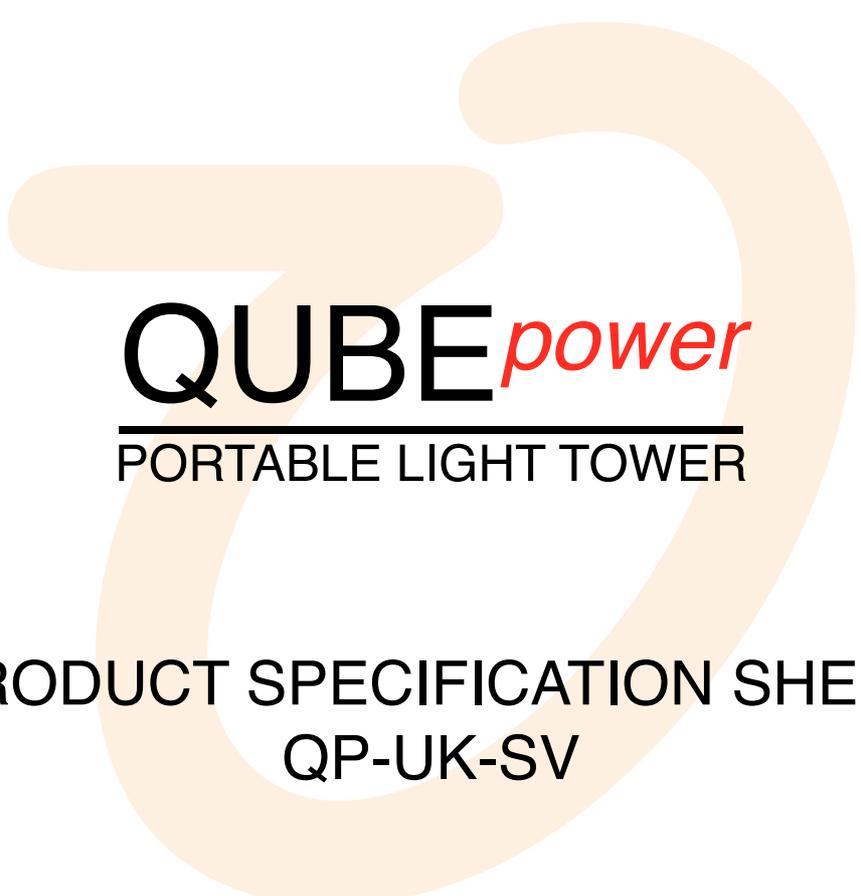


# OLIKARA LIGHTING TOWERS PVT LTD



**QUBE***power*  

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PORTABLE LIGHT TOWER

PRODUCT SPECIFICATION SHEET  
QP-UK-SV

## LIGHT TOWER DETAILED SPECIFICATIONS

SPEC	DETAILS
<b>POWER SYSTEM</b>	
ENGINE MANUFACTURER	Kohler KD-440; Stage V certified
ENGINE CYLINDERS	1 cylinder, 4 stroke, air cooled, 3000 rpm
ENGINE SAFETY #1	Low oil pressure engine shutdown
ENGINE SAFETY #2	High oil temperature engine shutdown
ENGINE SAFETY #3	Low fuel engine shutdown to prevent air lock during restart
ENGINE SAFETY #4	Over cranking protection
ENGINE SAFETY #5	Overspeed / underspeed of engine will shutdown engine preventing damage.
ENGINE SAFETY #6	Delay timer for putting LED load after engine reaches full speed.
ENGINE BATTERY	35Ah with 350CCA battery
ENGINE BATTERY PROTECTION	Battery Isolator located outside the canopy on left side
ELECTRICAL SYSTEM DISPLAY	Genset controller; Deepsea 4520; CE certified
TELEMETRY (OPTIONAL)	Deepsea Gateway with SIM card
COLD WEATHER START (OPTIONAL)	Cold weather start package with glow plugs and larger battery
ALTERNATOR	NSM (Italy); Brushless and capacitor excited
ALTERNATOR RATING	3kVA @ 3000 rpm (230VAC single phase @ 50Hz) (CE certified)
MAIN ELECTRICAL PROTECTION	1 x 2 pole Schneider RCBO 16A (All CE certified)
<b>FUEL SYSTEM</b>	
FUEL TANK CAPACITY	70 liters diesel tank with 110% bunding.
RUNTIME	110 hours of runtime for LED load.
GENSET BUNDING	Engine fluid leakage is protected by drip tray with a drain.
FUEL FILTER SYSTEM	Inline diesel filter.
FUEL MONITORING	Mechanical fuel gauge with view port
<b>ELECTRICAL SYSTEM</b>	
LAMP WATTAGE & TYPE	4 nos of high lumen output 300W LED with special asymmetric lenses. LED drivers are Meanwell and CE certified.
LAMP LUMENS & COVERAGE	156,000 lumens / 4,000m <sup>2</sup>
LAMP PROTECTION	Schneider MCBs on electrical panel. (All CE certified)

SPEC	DETAILS
COIL WIRE RATING AND SPEC	1 nos coil wire with TPE and PUR jacket which is UV and wear resistant
LAMP AUTOMATION	Dusk to Dawn sensor on mast will turn ON and OFF machine based on ambient lighting
OUTPUT POWER SOCKET	1 nos 3 pin industrial female socket rated for upto 1kW of auxiliary load.
ELECTRICAL SAFETY	Earth-Neutral Link provided offering extra safety
ELECTRICAL SAFETY	E-Stop present outside canopy on left side of machine
ELECTRICAL COMPLIANCE	All wiring meets UK standards and color coding.
<b>MAST SYSTEM</b>	
MAST TYPE & FINISH	Vertical tower with galvanised tubes for superior rust protection. Outer tube, dual coated with CED and PP powder coating.
LUMINAIRE ARM TILT	Arm can be tilted and locked manually in 3 angles; facing down, 40deg with horizontal and 75 deg with horizontal.
LUMINAIRE ELECTRIC TILT (OPTIONAL)	Luminaire arm can be electrically tilted from the operator panel.
MAST HYDRAULIC UNIT	Hydraulic mast with DC Bucher 12V, 1.5kW powerpack. 15 sec for extension to full height. (CE certified) Manual override valve available to manually bring down tower.
MAST ROTATE 0 deg to 350 deg	Manual rotation with ability to lock tower.
PULLEY TYPE	All pulleys zinc flake surface coated and containing sealed bearings for precision with superior performance and life
MAST EXTENDED HEIGHT	8 meters
<b>CANOPY AND TRAILER</b>	
CANOPY BODY FINISH	All canopy metal parts are powder coated with PP powder that is UV resistant and corrosion resistant
VIBRATION PROTECTION	Engine + alternator unit are mounted on vibration pads to ensure low vibration
AVG SOUND PRESSURE	68dB at 7 meters (85dbA LWA)
OUTRIGGERS	2 plated stabilizer jacks on outriggers + 1 jack on drawbar
MACHINE SUSPENSION	Leaf suspension
TIRES	13" pneumatic tires 155R13
TOWING OPTION	Straight foldable drawbar with 50mm ball hitch
TAIL LIGHT WIRING	Tail lights, triangular reflector and license plate light available.
TOWING PLUG	Trailer 7 round pin plug
CANOPY COLOR	White / Black

SPEC	DETAILS
WARNING ALARMS	Battery charging, Low oil pressure indication, High oil temperature indication, Fuel empty indicator, overspeed, underspeed, High battery voltage, Low battery voltage, Genset over voltage, Genset under voltage, Load over current.
DIMENSIONS (TRAVEL) LxWxH (meters)	2.2 x 1.1 x 2.3
DIMENSIONS (OPERATION) LxWxH (meters)	2.2 x 2.2 x 8
DRY WEIGHT	680 Kg