



J1-LED

SMARTCUBE

Hybrid Lighting Tower



Customer Options

- Extended Solar Capacity
- Extended Battery Capacity
- LiFePO4 Battery Upgrade
- Electric Tilt & Rotate of LED Lighting
- Additional LED Lighting
- Stainless Steel Spark Arrestor
- 48V AC Inverter with 240V AC General Power Outlets
- 240V AC Battery Charger
- CCTV PTZ Network Camera
- Street Lighting Luminaire with Cantilever
- Bluetooth Travel Time (BATTs) Add-On
- Mining & Military Specification Fit-Out



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COMPLIANCE

Meets Minimum Mining Requirements
Lendlease GMSR (Global Minimum Safety Requirements)
AS/NZS 1170.2:2021 (Wind Region C & Below)
AS 3990:1993

KEY FEATURES

SmartCUBE brings to market several revolutionary technologies for both power and lighting generation. The inclusion of a fully embedded diagnostic system that is remotely accessible through our ITS HOST platform allows you to monitor and operate the SmartCUBE without being on-site with the unit. A creation of true hybrid technology by fusing Diesel, Solar and Electric together make for a world-first release of new technology for standby power and lighting solutions..

SPECIFICATIONS

TRANSPORT DIMENSIONS	1160 X 1320 X 2450
DEPLOYED DIMENSIONS	2525 X 2685 X 9002
MAST RAISE HEIGHT (MM)	9002
ENCLOSURE	ALUMINIUM, STAINLESS & GALVANIZED STEEL
MAST ROTATION - REMOTE CONTROLLED (DEGREES)	345°
LIGHT TILT - REMOTE CONTROLLED (DEGREES)	60°
MAX NO OF UNITS ON A 44FT CURTAINSIDER	20
MAX NO OF UNITS ON A 40FT HIGH CUBE CONTAINER	18
ESTIMATED MASS (KG)	1326
WATTAGE PER LIGHT (W)	300
LIGHT LUMENS OUTPUT TOTAL (@100%) (LM)	156,000 / 234,000 (4 / 6 LIGHTS)
NO OF LIGHTS	4 OR 6
LIFT SYSTEM	TELESCOPIC MAST
LIFT METHOD	HYDRAULIC
NOISE LEVEL (DBA) (LIGHTING ONLY)	0
NOISE LEVEL (DBA) (DURING CHARGING OPERATION)	65
FUEL TYPE	DIESEL
TANK CAPACITY (L)	185
SOLAR PANEL CONTRIBUTION (W)	460 (4 X 115)
BATTERY RUN TIME (SILENT POWER) (HRS)	12-72 (DEPENDENT ON LIGHT OUTPUT)
BATTERY CHARGE TIME (HRS)	1.8
TOTAL RUN TIME (DAYS)	60
SYSTEM VOLTAGE (VDC)	48
ENGINE	KUBOTA
ENGINE BHP RUNNING AT 3000 RPM	9.3
FUEL CONSUMPTION (L/HR)	2.4
POWER GENERATION UNIT	DIRECT DRIVE 48VDC



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