

OFFGRID STREET LIGHT RANGE



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Establishing the future urban landscape

Standalone DC, off grid, LED Street Lighting
Luminaire coupled with solar PV, wind turbine,
solar charge controller, battery storage and
optional remote monitoring.

Solar PV cells

2.6W / 125x125mm / Relative efficiency at
low light 97.3% / Si Polycrystalline, Producing
95.4W / 0.4% annual degradation

Solar Charge Controller

MPPT / 99% efficiency

Battery Storage

24Ah / 192kWh usable energy / 95% Round
Trip Efficiency / li-ion / 1% annual degradation

Luminaire

ProVision ID 12v / 16W
(Total 3000 lumen)

Wind Turbine

KLE300

Benefits

No cables.
No DNO.
No diesel fumes.
No light pollution.
Net Zero Carbon.
No Maintenance.
20 year design life.

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Groundscrew



Weighted base



Winch operated column

Fixing types

100% GUARANTEED PERFORMANCE IN UK

Month	Generation PV (Wh)	Generation Wind (Wh)	Generation (Wh)	Available Energy	Demand	Gen < Demand	Days - Gen < Demand	Average SOC	Days - Storage < Demand
Jan	2,428.03	8,782.50	11,210.53	10,543.50	4,776.00	5,767.50	0	100%	0
Feb	2,356.23	6,381.06	8,737.29	8,217.42	3,924.00	4,293.42	1	100%	0
Mar	4,942.30	6,197.75	11,140.04	10,477.21	3,588.00	6,889.21	0	100%	0
Apr	6,719.45	3,571.99	10,291.45	9,679.10	2,688.00	6,991.10	0	100%	0
May	6,859.90	4,953.65	11,813.55	11,110.64	1,788.00	9,322.64	0	100%	0
Jun	7,441.19	2,728.51	10,169.69	9,564.59	1,080.00	8,484.59	0	100%	0
Jul	7,104.92	3,059.25	10,164.17	9,559.40	1,464.00	8,095.40	0	100%	0
Aug	5,666.89	3,291.50	8,958.39	8,425.37	2,364.00	6,061.37	0	100%	0
Sep	5,339.24	3,587.32	8,946.56	8,414.24	3,156.00	5,258.24	0	100%	0
Oct	3,450.03	4,686.06	8,136.09	7,652.00	4,080.00	3,572.00	1	100%	0
Nov	2,456.41	6,459.79	8,916.20	8,385.69	4,560.00	3,825.69	2	100%	0
Dec	2,124.73	7,496.56	9,621.28	9,058.82	4,836.00	4,212.82	1	100%	0
							5		0

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