



Sphere Generator Placement

Kite Support Frames & Landscape

Kite Flight Paths & Boundaries

Kite In Power Phase
The kite begins its ascent in a figure eight pattern

Kite In Retraction Phase
In this phase, a small amount of energy is used to pull the kite down to restart the cycle

GPS Tracking
Kite Control Units communicate with each other and the sphere to position their flight paths

Kites On Frame
Kite Support Frame

Kite Control Unit

Fiberglass Shell

Retraction Motors

Spool Trackers

Spools

LED Mesh

Ratcheted Gear

Momentum Wheel

Generator

Internal Frame

Rotation Motor

UNWIND Q

	⊙	⬠	⌈ h ⌋	⌘
	3.5m	6m	200m	2x
	3m	5m	35m	4x
	2.5m	4m	30m	5x
	2m	3m	25m	5x
	1.5m	2m	20m	5x

	⚡	DAY	YEAR
80kw	⚡	1,920kwh/d	700.8Mwh/y
25kw	⚡	1,200kwh/d	438Mwh/y
20kw	⚡	1,200kwh/d	438Mwh/y
10kw	⚡	600kwh/d	219Mwh/y
5kw	⚡	300kwh/d	109.5Mwh/y

Total
1,905.3Mwh/y