

产品介绍 Product Description

本产品包含1个电池集装箱、BMS系统、热管理系统、消防系统。其中电芯是最基本的电池单元。BMS主要负责

收集电芯的电压、电流、温度、SOC和电芯电压等信息，并管理电芯的充放电。热管理系统负责控制电芯的温度，防止电芯

过热。消防系统负责检测电芯的消防状态以及火灾报警。

ar management system), and fire fighting system. The main product consists of 1 battery container, BMS, TMS (therm

ee, and type data of the cells, packs, and racks, and The battery cell is the basic battery unit. The BMS collects th

and heating of the entire battery rack system. And the fire fighting communication devices. The TMS controls the cooling s

ystem, manages the fire alarm and out

运行环境, ...

Operating Environment, ...

参数值 Values

项目 Parameter

Power Battery Container

1.2 Thermal Management System (Chiller+Water Pipe)

1

Multi-TMS modes: cooling, heating and standby

1.3 Fire fighting System

1

烟雾传感器、温度传感器、全氟己酮灭火装置
Smoke sensors, temperature sensors, and extinguisher

2 BMS

1

Power conversion and transformer, ...

4 EMS

1

产品规格书

参数 Parameters

参数值 Values

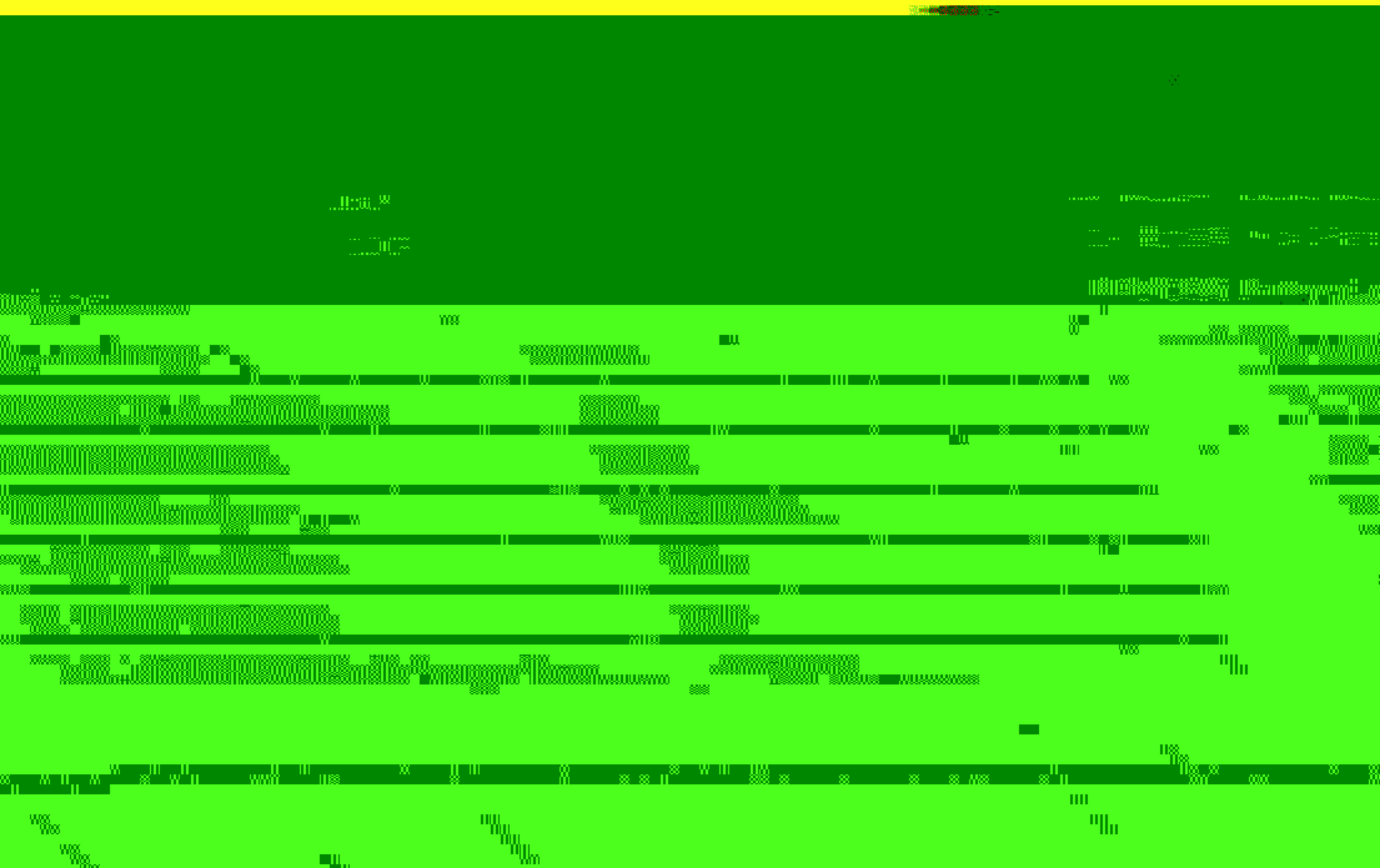
电芯 The Cell

1. 电芯类型 Type	磷酸铁锂 LFP
2. 电芯规格 Specification	3.2V/280Ah
3. 额定倍率 Rated C-Rate	0.5C
4. 最大倍率 Max C-Rate	1.0C
5. 循环寿命 Cycle Life	~6000 times @ 25°C, 0.5C
6. 日历寿命 Life Span	~20年 20 years

电池模组 Battery Module

7. 组合方式 Serial Configuration	1P52S
8. 额定容量 Rated Capacity	280Ah
9. 额定电压 Rated Voltage	166.7V
10. 电压范围 Voltage Range	145.0V~189.8V
11. 额定能量 Rated Energy	46.55kWh
12. 额定倍率 Rated C-Rate	0.5C
13. 最大倍率 Max C-Rate	1.0C
14. PACK内电芯温差 Cell Temp. Deviation in PACK	<2°C

电池簇 Battery Cluster



参数 Parameters

参数值 Values

27 存储环境温度 Storage Environment temp.

10°C ~ -40°C ~ 60°C

28 工作相对湿度 Relative Working Humidity

0~100% (无冷凝)
0~100% (有冷凝)

29 海拔高度 Working Environment Altitude

正常工作海拔高度超过3000米时
(当海拔 > 3000m)

30 冷却方式 Cooling

液冷 Liquid-cooling

防火等级符合EN54-24
Protection + Water Fire...
+ Combustible Gas Detection +
n Relief Design

31 火灾报警系统 Fire Alarm System...

PACK级消防等级
PACK-Level Fire
Protection
Explosio

32 辅助供电 Auxiliary Power Supply

400VAC

33 系统通讯接口 Communication Interface

RS-485

GB36276, IEC62619

34 标准认证 Standard Certification

IEC

35 防护等级 IP Class

6058mm*2600mm*2000mm

36 尺寸 (宽*深*高) Dimensions (W*D*H)

Power Supply

Power Supply

基本参数 Cabinet General Parameters

柜体基

41 额定功率 Rating Power

20000W (20kW)

42 额定电压 Rating Voltage

380V (3~4W)

43 认证等级 Certification Grade

CE (EN60320-1)

认证 Certification

44 认证标准

EN60320-1, EN60950-1, EN60950-2, EN60950-3, EN60950-4, EN60950-5, EN60950-6, EN60950-7, EN60950-8, EN60950-9, EN60950-10, EN60950-11, EN60950-12, EN60950-13, EN60950-14, EN60950-15, EN60950-16, EN60950-17, EN60950-18, EN60950-19, EN60950-20, EN60950-21, EN60950-22, EN60950-23, EN60950-24, EN60950-25, EN60950-26, EN60950-27, EN60950-28, EN60950-29, EN60950-30, EN60950-31, EN60950-32, EN60950-33, EN60950-34, EN60950-35, EN60950-36, EN60950-37, EN60950-38, EN60950-39, EN60950-40, EN60950-41, EN60950-42, EN60950-43, EN60950-44, EN60950-45, EN60950-46, EN60950-47, EN60950-48, EN60950-49, EN60950-50, EN60950-51, EN60950-52, EN60950-53, EN60950-54, EN60950-55, EN60950-56, EN60950-57, EN60950-58, EN60950-59, EN60950-60, EN60950-61, EN60950-62, EN60950-63, EN60950-64, EN60950-65, EN60950-66, EN60950-67, EN60950-68, EN60950-69, EN60950-70, EN60950-71, EN60950-72, EN60950-73, EN60950-74, EN60950-75, EN60950-76, EN60950-77, EN60950-78, EN60950-79, EN60950-80, EN60950-81, EN60950-82, EN60950-83, EN60950-84, EN60950-85, EN60950-86, EN60950-87, EN60950-88, EN60950-89, EN60950-90, EN60950-91, EN60950-92, EN60950-93, EN60950-94, EN60950-95, EN60950-96, EN60950-97, EN60950-98, EN60950-99, EN60950-100

六 应用市场 Applications Markets



PM-ET, Semi-conductor, All-in-One

High Power, High Conversion Efficiency, RPSi and Diode Generator

40% Efficiency

Successful Case

成功案例





Headquarters

89 Ruihe Rd., Huangpu District
Guangzhou, Guangdong Province

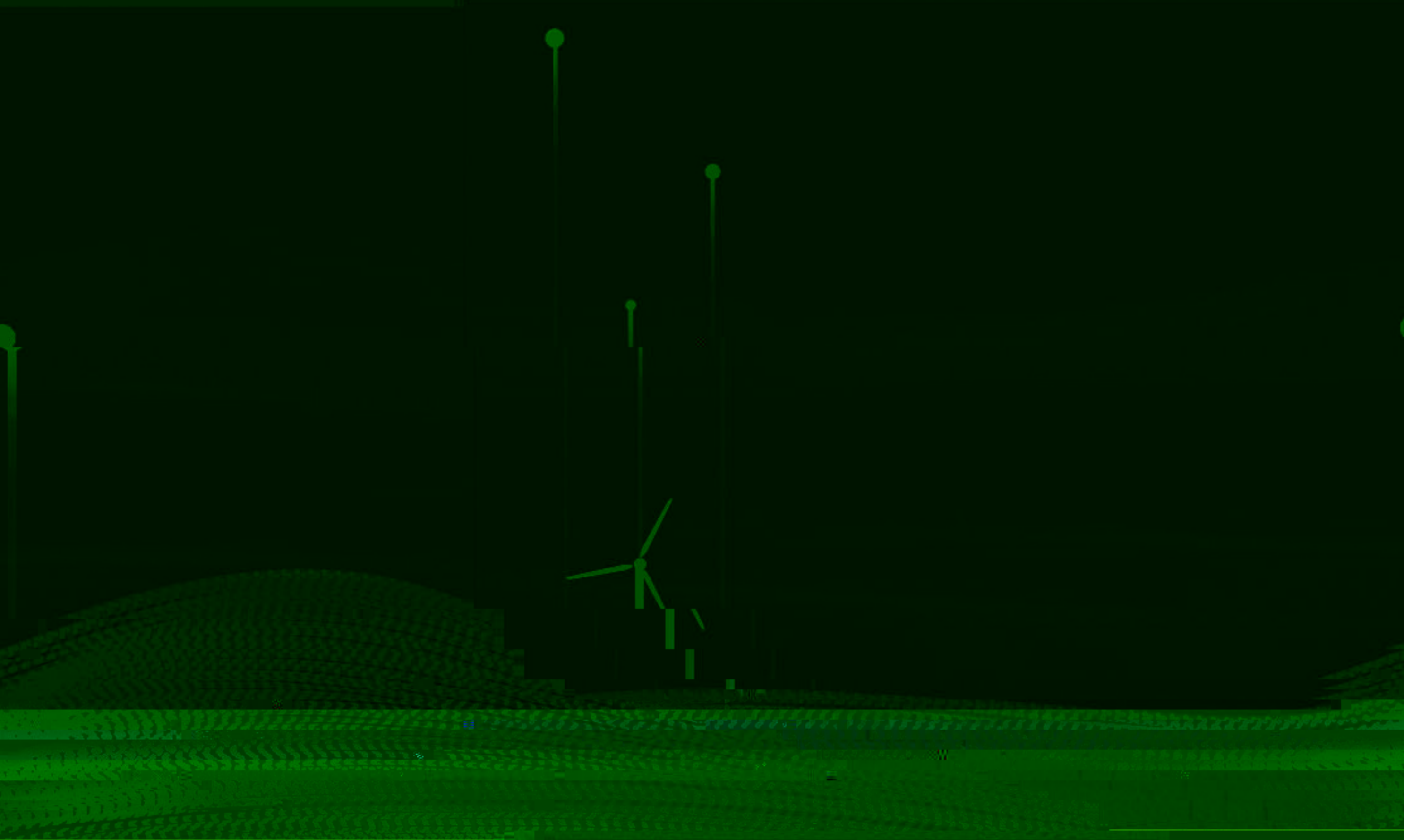


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