

## Case Study 2: SPDMINI (Kibworth)

**LOCATION:** Kibworth

**SYSTEM:** RSPS SPDMINI – Integrated Smart Pump System

**PLATFORM:** 24 V / 3 kW

### CONFIGURATION:

- 24V / 3kW system
- 4 × GEL batteries
- 2 × PV panels
- Integrated DAB pump system

### System Overview

A compact, self-contained RSPS pumping platform delivering reliable, pressurised water supply.

Designed to match the specific requirements of the site, providing a practical, integrated solution without unnecessary system complexity.

### System Operation

- Fully integrated pump and control system.
- Compact, self-contained RSPS pumping platform.
- Autonomous field operation.
- Integrated telemetry for continuous monitoring of battery and generation performance.

### Real-World Performance

(Measured over the initial operating period).

- 209.6 kWh cumulative PV generation.
- Consistent daily energy production.
- Stable operation through winter months.

### What This Demonstrates

#### Application-matched system design

System engineered to meet site demand without unnecessary scale or complexity.

#### Reliable pressurised water delivery

Consistent water supply through integrated DAB pumping.

### Simple, integrated platform

Reduced installation time and on-site complexity.

### Stable year-round operation

Maintains performance through lower solar periods, including winter.

### Key Takeaway

SPDMINI delivers a reliable, application-matched off-grid solution, providing consistent water supply through a compact, fully integrated system designed for straightforward deployment and dependable operation.



## Contact Us for further information and a no obligation quote:

### General Enquiries:

M: 07712 134629

E: [office@remotesolarpowersystems.co.uk](mailto:office@remotesolarpowersystems.co.uk)

### Duncan Hazard

M: 07712 134628

E: [duncan@remotesolarpowersystems.co.uk](mailto:duncan@remotesolarpowersystems.co.uk)

### Sales Enquiries: Sean Quinn

M: 07714 213455

E: [sales@remotesolarpowersystems.co.uk](mailto:sales@remotesolarpowersystems.co.uk)

### Technical: Ian Tabrett

M: 07914 793191

E: [ian@remotesolarpowersystems.co.uk](mailto:ian@remotesolarpowersystems.co.uk)