STAND-ALONE POWER SYSTEM

SOLAR CUBE
Modular
Rapid deploy
Utility grade
SAPS
STAND-ALONE POWER SYSTEM

FEATURES

» Medium loads
» Easily deployable, fold out design
» Expandable
» Plug and Play modular (swap out for maintenance)
» Generator, batteries and inverter
» Remote monitoring and control
» Utility grade

TYPICAL APPLICATIONS

» Households
» Remote sheds/workshops
» Utility applications
» Farming

UTILITY GRADE SOLUTION FOR LARGE SCALE ASSET FLEET
STAND-ALONE POWER SYSTEM

**BUILD**

**FEATURES**
- Modular Sub Components
- Standardised Interfaces
- Labour Minimisation
- Custom Minimisation
- Supply Chain Optimisation

**MODULE**

1. **CHASSIS**
   - **CHASSIS PACKAGE MODULE**
     - Base frame
     - Tie-down kit
     - Power harness

2. **CCM**
   - **CUSTOMER CONNECTION MODULE**
     - Point Of Connection
     - Protection Switchgear
     - Gridform Inverter
     - Internal Bus

3. **MCM**
   - **MASTER CONTROL MODULE**
     - HP IIOT Interface
     - Central Control
     - Power Management
     - System Monitor

4. **ESM**
   - **ENERGY STORAGE MODULE**
     - Battery Stack
     - Battery Management System
     - Enclosure Kit
     - Cable Harness
     - DC Switchgear

5. **FGM**
   - **FUEL GENERATION MODULE**
     - Generator
     - Fuel Tank
     - Cable Harness
     - Enclosure Kit

6. **SGM**
   - **SOLAR GENERATION MODULE**
     - Solar Panels
     - DC Harness
     - Solar Inverter
     - Enclosure Kit
     - Cable Harness

SOLAR CUBE
SOLAR CUBE

DEPLOY

Assembly Jigging
Test & QA Automation
Designed for Logistics
Rapid Deployment
Repair by Replacement

1 2 3

STAND-ALONE POWER SYSTEM
OPERATE AND MAINTAIN

On-site module upgrades
Module replacement
Customised remote alerts
Remote control genset

STANDARD SPECIFICATIONS

- Supply – Single phase 7.5kW continuous with a Load Start Peak of 18kW
- 30 minute rating - 11.25kW (46A)
- Solar Array – 4kW (10 x High Performance, High Density 405W Panels)
- Battery Energy Storage – 17.6kWh
- Battery Inverter - 7.5kW
- Generation Augmentation – 16.5kVA Diesel Generator with 550L tank
- 2.3m x 2.6m footprint
- Repair by Replace
- Cascade Scalability (1-3 cubes)
- Deploy in a day

STAND-ALONE POWER SYSTEM
STAND-ALONE POWER SYSTEM

SOLAR CUBE
UTILITY GRADE SOLUTION FOR LARGE SCALE ASSET FLEET

SOLAR CUBE

GENERATOR
FUEL TANK
POWER POD
SOLAR AND BATTERY INVERTERS
MAIN BOARD
CASCADE BOX

STAND-ALONE POWER SYSTEM