SOLAR CUBE

Modular
Rapid deploy
Utility grade
SAPS

STAND-ALONE POWER SYSTEM
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
STAND-ALONE POWER SYSTEM

1. 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
2 DEPLOY

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

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

STANDARD SPECIFICATIONS

- Supply – Single phase 6.7kW continuous with a Load Start Peak of 19kW
- 60 minute rating - 8kW
- Solar Array – 4kW (10 x High Performance, High Density 400W Panels)
- Inverters - Solar 4kW, Battery 7.5kW
- Battery Energy Storage – 16kWh
- Generation Augmentation – 15kW Diesel Generator with 550L tank
- Footprint - Transport 2.5m x 2.3m, Installed 5m x 7.1m
- Repair by Replace
- Cascade Scalability (1-3 cubes)
- Deploy in a day

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

SOLAR CUBE

STAND-ALONE POWER SYSTEM

FUEL TANK
GENERATOR
POWER POD
SOLAR AND BATTERY INVERTERS