Smart Off-Grid Power Pack for Telecom

Telecommunications equipment is changing rapidly to adapt to global environments without reliable power or local support. Our Smart Off-Grid Power Pack solution delivers a highly reliable source of power using solar and hybrid solar, with built-in communications, and the ability to remotely monitor, control, and proactively manage these devices over the Internet. Clear Blue's expert service team provides the ongoing management service to deliver high reliability, long-life and peace of mind.

Product Features

- Designed to support continuous loads in excess of 1000Wh (3.8kW peak power) and typically replace generators up to 10 kW

  - Individual management and control of multiple solar panel sources

  - Supports multiple batteries, using lead acid, lithium ion, or NiMH batteries

- Multiple power sources can be managed independently

  - Solar only

  - Solar and grid-connect - provides ability to draw power from the grid if required

  - Solar and diesel backup - with capability to send signal remotely to start and utilize when needed

- Loads can be managed independently (e.g. RAN, WiFi, microwave backhaul, satellite, routers, etc.) with ability to:

  - Do power and control restarts of individual loads remotely

  - View energy consumed in real-time

  - Track energy consumption against telecom traffic volume

  - Set alarms to allow workaround for any unmet load requirement

  - Emergency ridethrough

Illumience Cloud remotely monitors, controls and services the system

- Remote monitoring and reporting

  - Monthly, daily and hourly real-time monitoring and reports

  - Global performance, data analytics

  - Dashboard map with location

  - Forward-looking system performance based on integrated weather forecasting

- Remote troubleshooting tools including

  - Solar panel test, cabling and connectivity integrity, remote short circuit reset

  - User-defined and configured alarms

- Long battery life

  - Lifecycle forecaster

  - Remote battery maintenance and revitalizer

  - Patented dynamic charging

- Industry leading platform security and encryption

- Easy installation and validation

  - Installer smartphone provisioning tool, customer and installer provisioning report

  - No network or software installation and configuration – plug it in and it works with our Illumience Cloud management service, anywhere in the world!

  - Color-coded connectors and more

Powerful Control. In the Cloud & Off the Grid.