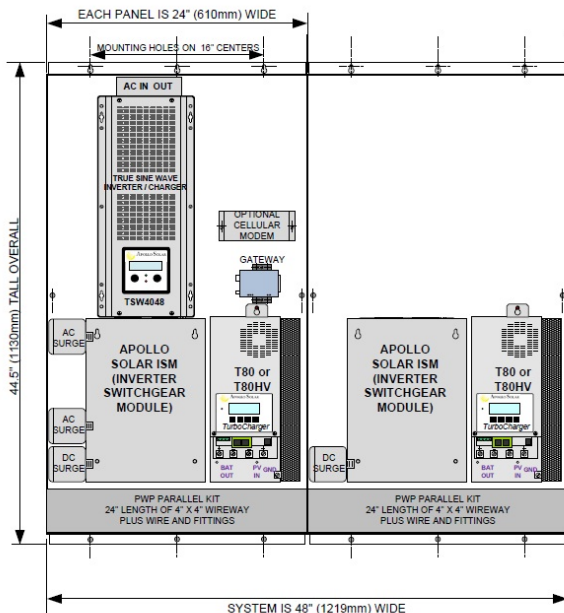


Case Study and System Examples

The Pre-Wired Panel

In the valley near Moab, Utah

- **Battery** – Iron Edison
 - Voltage - 24 Volt
 - Capacity - 700 Amp Hours
- **Inverter** – Apollo Solar TSW
 - 3200 Watts
 - 240 Volts AC output
 - Pure Sine Wave
- **Charge Controllers** – Apollo Solar T80
 - Dual parallel charge controllers
 - 160 Amps max rated output
- **Solar PV** – 2.7 kW ground mount
 - 12 x 225 Watt solar modules
 - 2 parallel strings



A new life for the classic Trace

On the farm near Danbury, Connecticut

- **Battery** – Iron Edison
 - Voltage - **48 Volt**
 - Capacity - **400 Amp Hours**
- **Inverter** – Trace Engineering
 - 4000 Watts
 - 120 Volts AC output
 - Pure Sine Wave
- **Charge Controllers** – Trace C40
 - Nickel Iron charge settings
 - 40 Amps max rated output
- **Solar PV** – 1.2 kW pole mount



Off the Grid Pre-Wired Panel

In the desert near Las Cruces, New Mexico

- **Battery** – Iron Edison
 - Voltage - **24 Volt**
 - Capacity - **400 Amp Hours**
- **Inverter** – Apollo Solar PWP
 - 3200 Watts
 - 240 Volts AC output
 - Integrated Switchgear Module (ISM)
- **Charge Controller** – Apollo Solar T80
 - Ground Fault Protection
 - 80 Amps max rated output
- **Solar PV** – 1.2 kW pole mount



A Residence with a Backup Plan

In any neighborhood, USA

- **Battery** – Iron Edison
 - Voltage - **24 Volt**
 - Capacity - **500 Amp Hours**
- **Inverter** – Magnum MMP
 - 3200 Watts
 - 120 Volts AC output
 - Auto Generator Start
 - Backed up loads subpanel
- **Charge Controller** – Xantrex XW
 - Relay controlled vent fan
 - 60 Amps max rated output
- **Solar PV** – 1.2 kW roof mount

