# PV Sample Packet Single Family Homes

(Paired home)

# Required Documentation

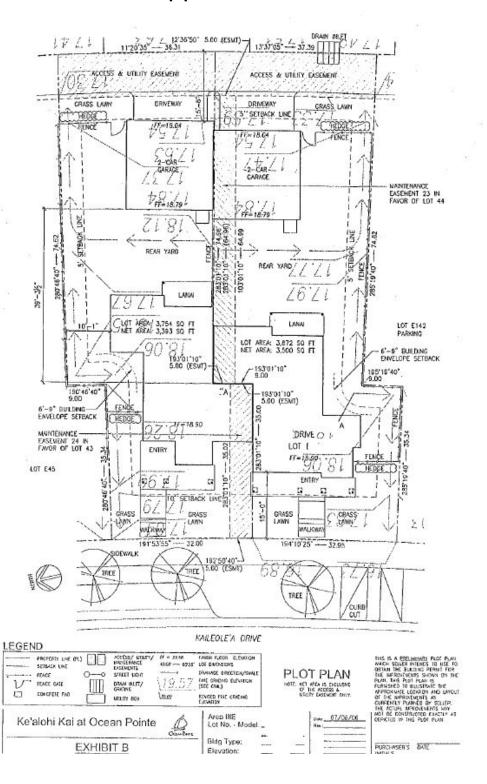
- 1. Plot Plan
- 2. Panel Layout w/required verbiage:

"No conduit, j-box or racks will be visible on the roof. All conduit will be routed through the attic and all panels will be flush mounted."

- 3. Conduit Run: Conduit must run in a straight line down from the attic (must show attic entry point) to the equipment, then along the base of the home to the HECO meter and disconnect. Must show full conduit run (conduit must be flushed to trim, window trim or at base of home) & is painted to match existing color of the home.
- 4. Color Photo Schematics: Must submit color photos of panel placement, equipment & conduit location to match Elevation Layout.
- 5. Equipment Elevation: All back & front equipment must be located below the fenceline & is painted to match existing color of home. Elevation Layout must match color photo schematics; Front conduit must fit between wall & fence. Conduit cannot go over fence & must be trenched at least 18" deep to back equipment; Only AC Disconnect & CGS Meter can be located next to HECO Meter.

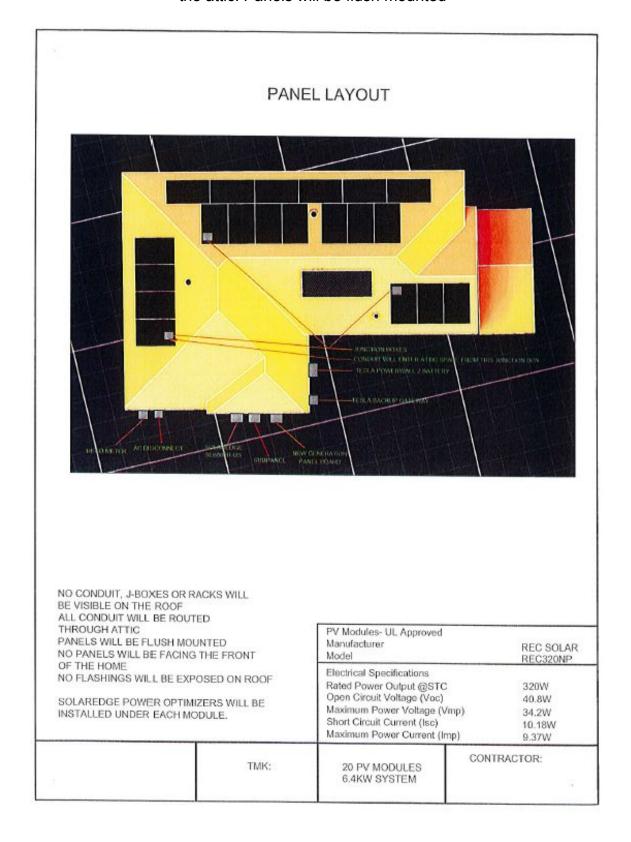
- 5. Design Variances: If the proposed improvement has significant merit, the DRC may issue an approval together with a variance approval notice.
- 6. Equipment Spec Sheets: Provide all Manufacturer Specifications of all equipment & Panel.

# **DPP Approved Plot Plan**



**Panel Layout** 

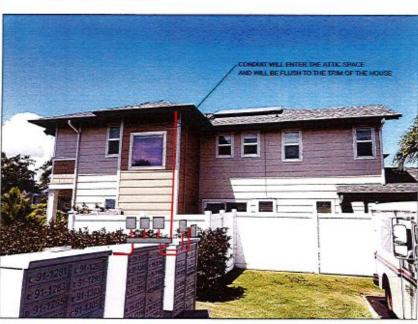
\*\*No conduit, j-box or racks will be visible on the roof. All conduit will be routed through the attic. Panels will be flush mounted\*\*



# Conduit Run

### CONDUIT RUN

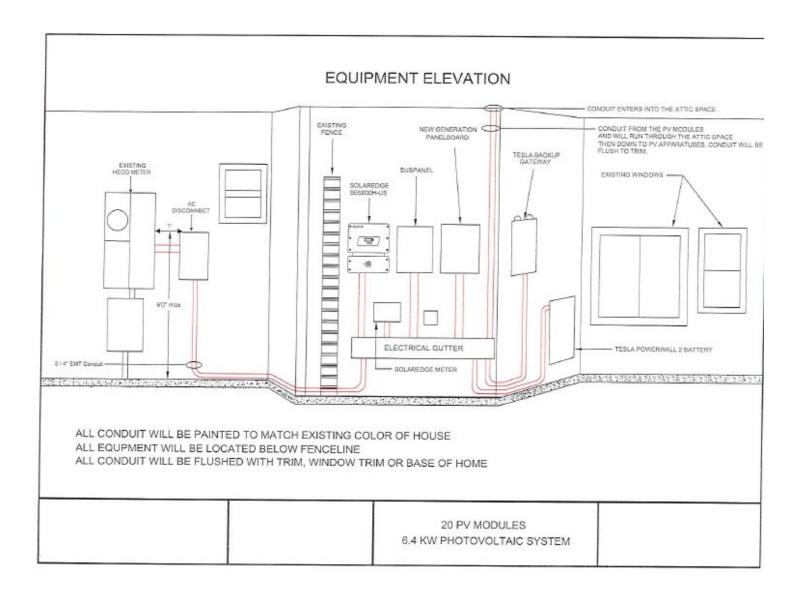




ALL CONDUIT WILL BE PAINTED TO MATCH EXISTING COLOR OF HOUSE ALL EQUPMENT WILL BE LOCATED BELOW FENCELINE

20 PV MODULES 6.4 KW PHOTOVOLTAIC SYSTEM

# **Equipment Elevation**



### **Spec Sheets**



### ENERGY STORAGE IN YOUR CONTROL

Eguana's AC Battery is a certified, grid ready power control solution pre-integrated with industry leading Li-lon batteries. Our solution can be seamlessly integrated with a local energy management system or a distributed fleet control network using open communication protocols to provide a fully functional energy storage installation.

Provides superior performance in utility grid applications, including:



- PV Self Consumption
   Frequency Regulation
   Demand Response
- Feeder Voltage Support
- Reliable, high quality back-up power when you need it via an integrated transfer circuit for critical load operation
- Command the Eguana AC Battery via Sunspec-compliant Modbus interface using a third party energy management system/

• LG Chem Li-ion batteries with fully integrated battery management system



Flexible battery capacities from two to six

LG Chem battery modules





© 2017 Eq. com Technologies. Bildonc in an experiend trademical of Eguaria Technologies. Specifications subject to che In Ballery capacity shown in AS rated. LG Charli Mel 1280 DC capacity a 6.5 N/A per module.

### EGUANA 🛼 EGUANA AC BATTERY™ - 13L - 19L - 26L General - Functions / Features Modaus RS-485 (sprional Zighee) Battery State LED, Opening state LED, ValauGileep mode betagens LED, Opening state LED, ValauGileep mode lies EG 21-4.2. (16) In Any Circus Bearing LED (27-4.2. (16) In Any Circus Bearing D onfigurable Grid mgmt Functions · + 🔣 zero to full scale (up/down) = 1 second max. 5 W (0.1% full scale) 7% continuous, 120% (30 minute), 170% (5 seconds) 6-up to grid: no interrupt. 641 to back-up: 2 seconds 3 Watts / 30 Watts Eguana Technologies 6143 - 4th Street SE, Unit #3 Calgary, AB, Canada T2H 2H9 Ph: +1,403,508,7177 Fax: +1,403,205,2509 -10 to 45°C / 95% (non-condensing) NEMA 3R, Wattmount (Indoor/Dutdoor) PCS: active cooling. Battery: convection 529 x 763 x 977 mm (20.0" x 9.0" x 15.6") f 95 kg (145 lbs) 572 x 763 x 397 mm (22.5" x 30.8" x 15.6") f 85 kg (188 lbs) www.eguanatech.com FCC, part 15-8 UL 1741SA, IEEE 1547, UL 1973, Rule 21 (CA), Rule 14H (HI) 10 year standard warrantz EMC Utility interface and safety 灵



60 cell



















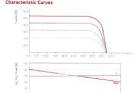
Near Zero LID (Light Induced Degradation) The n-type cells used in LG NeON® R have almost no boron, which may cause the initial performance degradation, leading to loss LID.

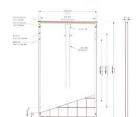
### LG NeON'R IGSSOTICAS

Cells	6×10
Cell Vendor	
Cell Type	Monocrystoline / N-type
Cell Dimensions	161.7 x 161.7 mm / 6 inches
Dimensions (L x W x H)	1700 x 1016 x 40 mm
	66 93 × 40 0 x 1.57 mm
Front Load	6,000Pa / 125 psf
Rear Load	5,400Pu / 113 psf
Weight	19.5 kg / 40.79 ts
Connector Type	More
Junction Bax	P58 with 3 Byggs Diodes
Length of Cables	1000 mm s 2 su
Glass	High Transmission Temperal Glaci
Frame	Anadged Aluminum

tifications and Warranty	EC 61215, IEC 61730-17-2
ne	Anatont Aluminum
1	High Transmission Tempered Glass
th of Cables	1000 mm x 2 eu
tion Bax	IP68 with 3 Bypass Diodes
nector Type	Mich
β¢	19.5 kg / 40.79 ts
Lord	5,400Ru / 113 psf
t Load	6,000 Pa / 125 psf

	UL 1703
	EC 61701 (Salt mist corrusion test)
	EC 62715 (Ammona corrosion test)
	190 9001
Module Fire Performance (USA)	Type 1
Fire Resistance Class (CANADA)	Class C (ULC / ORD C1703)
Product Warrenty	25 years
Output Warranty of Props	Lincar warranty**





1 LG



