PV Sample Packet Single Family Homes

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.

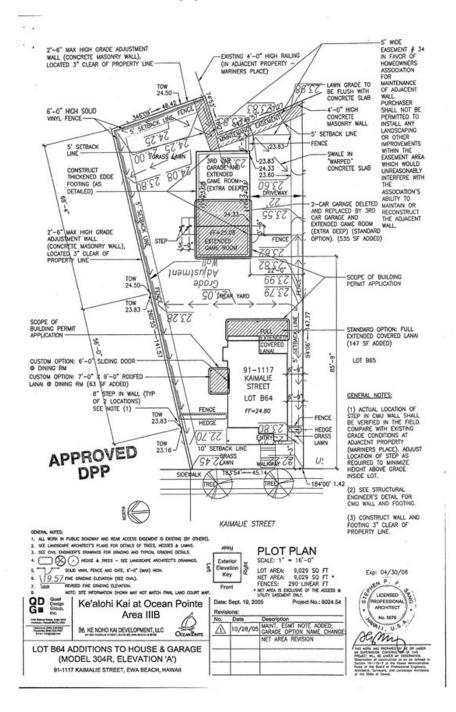
4. Color Photo Schematics: Must submit color photos of panel placement, equipment & conduit location to match Elevation Layout.

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.

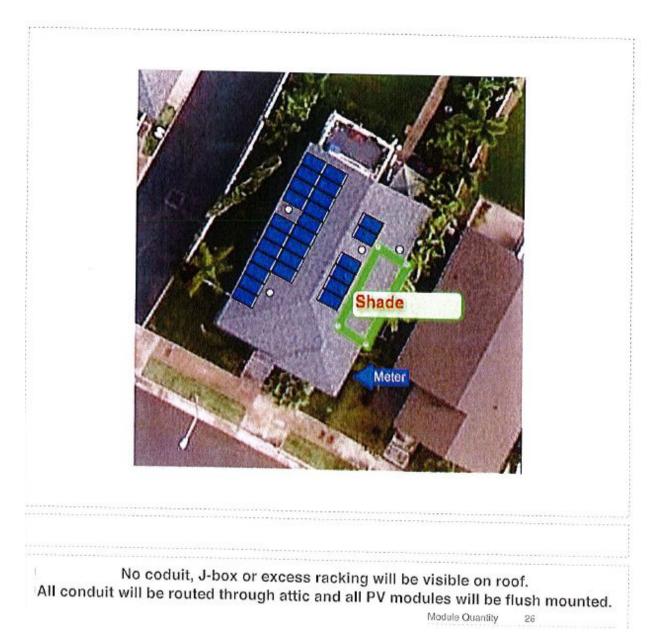
6. Equipment Spec Sheets: Provide all Manufacturer Specifications of all equipment & Panel.

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



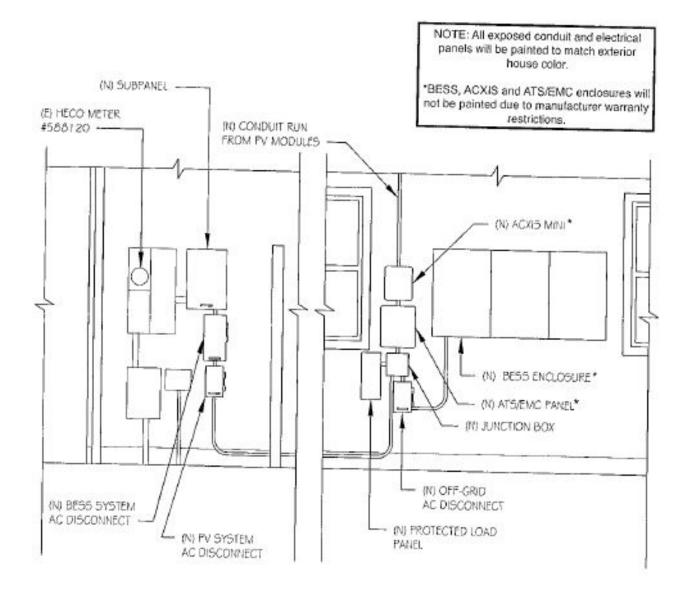


Conduit Run





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-Ion 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.

O Provides superior performance in utility grid applications, including,



PV Self Consumption
Frequency Regulation
Demand Response
Feeder Voltage Support



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

- 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/ contained. gateway



-0 2017 Epuone Technologies. Bi-dove in a repairered tradework of Eguares Technologies. Epucil celorus subject to change without 1- Ballies capacity above in AC roked. US Chan AM8138F38 DC capacity is 6.5 With per module.



EGUANA AC BATTERY™ ACB05U-XXX (base model -07L, see battery spec for 240120 V, spit-phase / (21 to 5 amay 5 pic tr 240120 V, spit-phase / (21 to 5 4 VAC) 60 Hz / (59.3 to 61.5 Hz) 5000 VA / 20.8 Amps 60 A 60 A 60 A d AC Out put Powe wor Factor irmonic Distortion iciency , peak (avg), %

Fixed, or adjustable: 0.8 lead to 0.8 leg < 5 % 96 (94.5) Integrated transformer -071 -19L -26L -33L -13L thium type / M4 18 24 189 252 Max, 0.3C Nor 42 to 58.8 4000 AC Energy (1C) KWh orm Capacity (0.5C) Ah 6 63 30 315 It Operating Range Life (90% DoD, 0.5C, 25°C) (BMS stic, control, and pr eneral - Functions / Feat Mothus RS-435 (optional: Zigben) timey State LED, Openeting state LED, ValakoSileeg model hetpaste IA 0Ana (Orcal Breakosian IEEE 62.14.2, Location Calegory 8, Lov exposure Active In all states DC grounded system configuration Power modulors, machive power control (PUC Rules) Power modulor, machive power control CPUC Rules 2409X 40A raide (1202Y 1/20A) AC nitoring acts, x2 tical load pass-throi zero to full scale (up(down) = 1 second max. 5 W (0,1% full scale) 100% continuous, 120% (30 minute), 170% (5 seconds) Sack-up to grid: no interrupt, Calid to back-up: 2 seconds 3 Watts / 30 Watts

-10 to 45°C / 95% (non-candensing) NEMA 3R, Walimount (Indoor/Outdoor) PCS: active cooling. Battery: convection 529 x 763 x 397 mm (20.6° x 0.6°) r 63 x 16.0°) r 64 (146 los) 572 x 763 x 397 mm (22.6° x 30.8° x 15.6°) r 85 kg (188 los)

FCC, part 15-8 UL 1741SA, IEEE 1547, UL 1973, Rule 21 (CA), Rule 14H (HI)

Electrical Properties (STC *)

Electrical Properties (NOCT*)

m Power (Pmax)

Module Maximum Power (Pinax) MPP Voltage (Vinpp) MPP Carrent (Impp)

Power Toler

Module Maximum Power (MPP Vokage (Vm MPP Current (Ing

interface and safety AC Coupled PV System with Eguana AC Battery



EGUANA 🤊

ut Eguana Technologies ed in Calgary, Albota, Canada, ana Technologies (EGT: TSX.V) gas and manufactures high ormance power electronics for dential and commarcial energy age systems. Eguana has more 15 years exportence delivering edua power electronics for fael for fuel battery photovoltaic ations, and de and apacity manufactu ope and North An inds of its proprie depli Wit rage inverters deployed in ropean and North Ame rkets, Eguana is the lea oplier of power controls for ons at the

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Eguana Technologies 6143 - 4th Street SE, Unit #3 Calgary, AB, Canada T2H 2H9 Ph: +1.403.508.7177 Fax: +1.403.205.2509 www.eguanatech.com



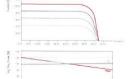
Cells	6×10
Cell Vendor	
Cell Type	Monocrystaline / N-type
Cell Dimensions	161.7 x 161.7 mm / 6 inches
Dimensions (U x W x H)	1700 x 1016 x 40 mm
	66 93 × 40 0 x 1.57 inch
Front Load	6,000Pa / 125 psf
Rear Load	5,400Pa / 113 psf
Weight	19.5 kg/40 79 b
Connector Type	MCH
Junction Bas	IP58 with 3 Bygges Diodes
Length of Cables	1000 mm s 2 ea
Glass	High Transmission Temperal Galo
Frame	Anatized Alumin-m

Certifications and Warranty

Certification Module Fire Performance (USA) Fire Resistance Class (CANADA)



Characteristic Curves



Kordt, Antonia Salar Bosinse Tuam 15 Bedramos II SA, Inc 1505 Sylvan Am, Englewood CVTs, Na 671332

🕑 LG



