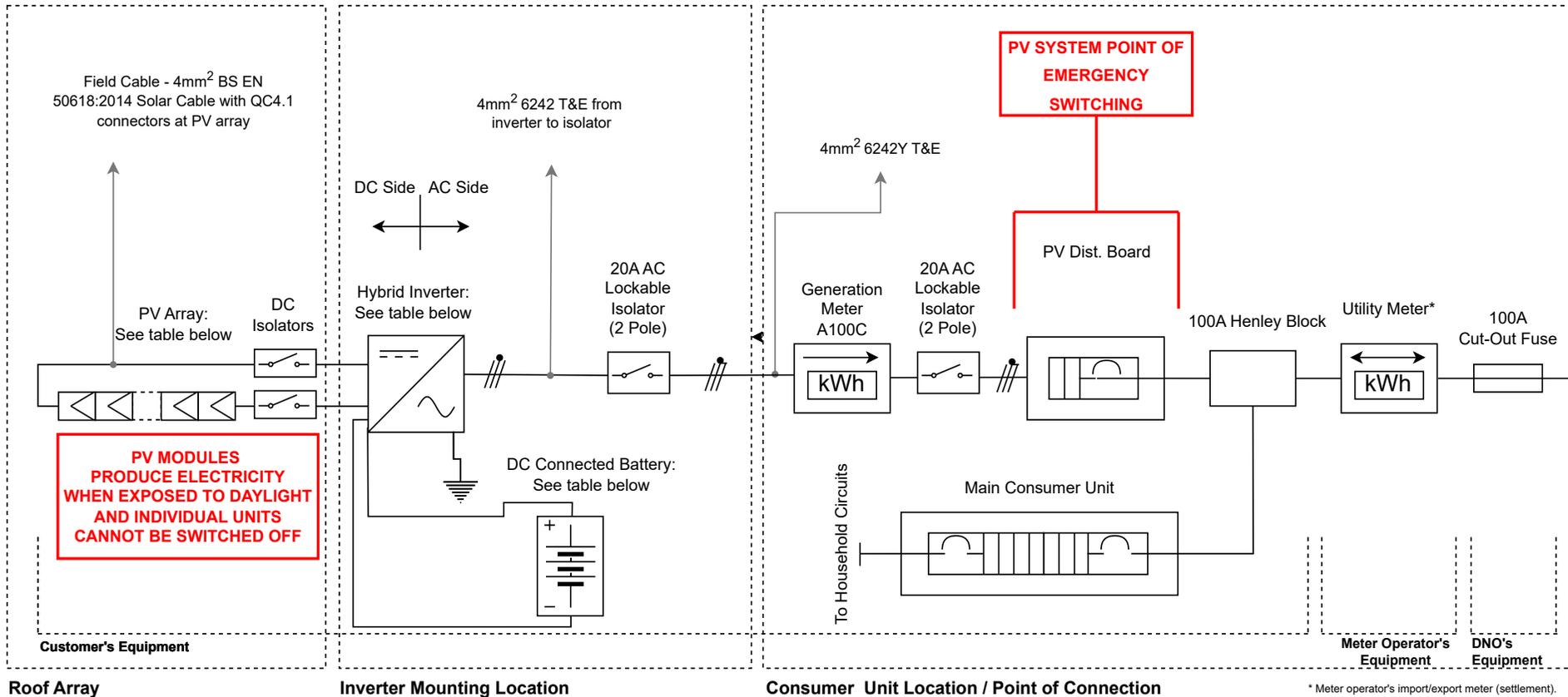


Residential Solar PV Electrical Schematic



System Specifications
Modules and Strings 16 x JA Solar JAM72D-40-600-LB-TS-MC4 600Watts 3 Total Strings. V_{oc} for strings 284.34, 284.34, 341.21. I_{sc} for strings = 14.69, 14.69, 14.69.
Inverters Manufacturer(s): 2 x SUN-3.6KSG04LP1-EU Total rating: 7.2kW Max AC Current: 18A
Battery Storage (ESS) 1 x Sunsynk SUNSYNK-W10.6 10.6 Total kWh

Project Details
Contact Name: Phil and Pam Robinson Address: The Stables, upper waterside farm Postcode: HD9 2BA
Meter Identifier: (NOT SPECIFIED) System Title: (NOT SPECIFIED) System Size: 9.6kW Annual output: 8563.13kWh

enviromental energy ltd
Slacks farm, Cop hill side
HD7 5XA
duncan@enviromental.org.uk
www.enviromental.org.uk



Notes:

1. All wiring and equipment designed, and to be installed in accordance with 18th Edition electrical regulations, BS 7671:2015.
2. Please refer to 'Guide to the Installation of Photovoltaic Systems' (MCS) and Guidance document MGD003 - Battery storage
3. Always follow manufacturers guidelines and specifications when installing components
4. All calculations assume $Z_e = 0.35\Omega$ at the point of connection.
5. As per IET, plugs and sockets that are mated shall always be the same model and from the same manufacturer.

Version Control:

Design Completed By: duncan@enviromental.org.uk, Managing Director
Date: (NOT SPECIFIED)
Version Number: Version 1.0
Project ID: 6235280
Scale: Not to scale