



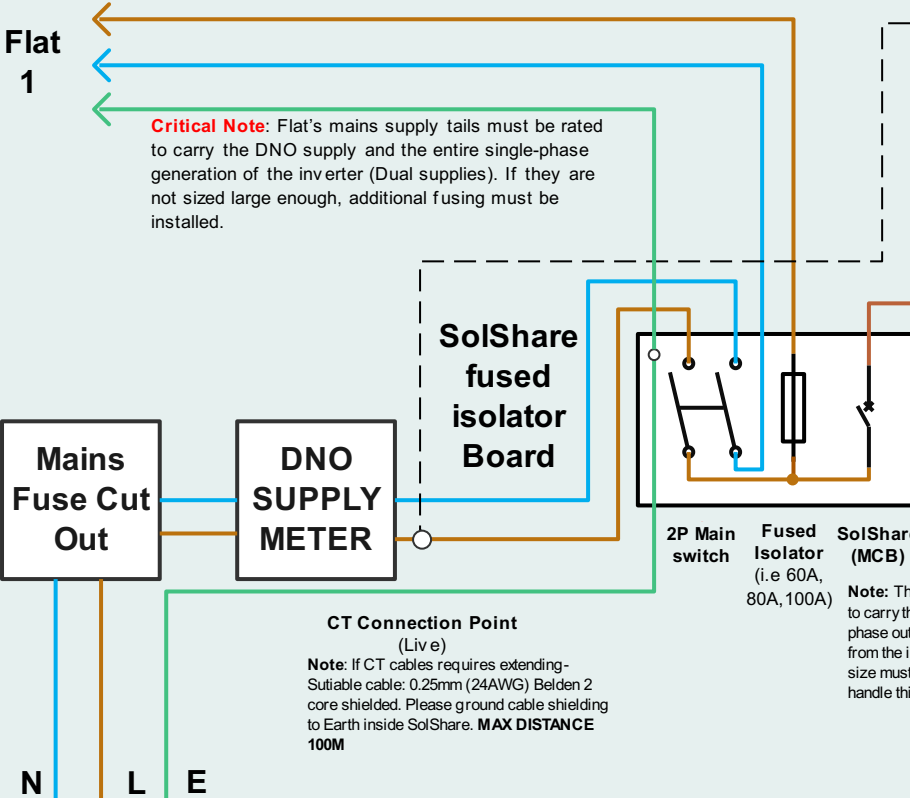
# Solshare Fused isolator SLD

## Example- GUIDANCE ONLY

**Note:**  
This design **DOES NOT SUPPORT BATTERY** integrations.  
Contact Allume when designing any battery project.

**GUIDANCE NOTE:** Installation must fully conform to BS7671 Wiring Regulations

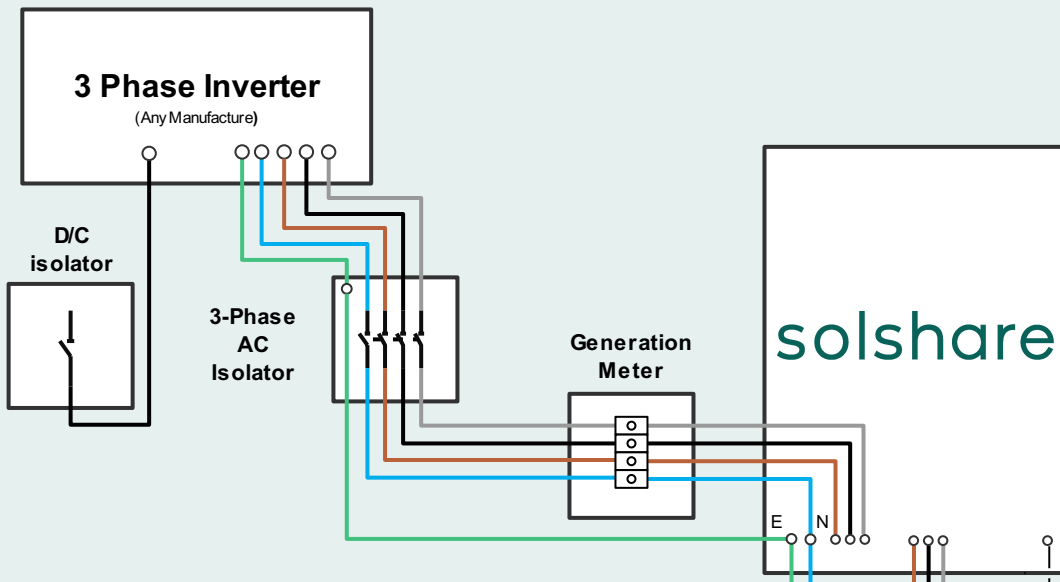
**Typical install Locations:**  
Energy meters in risers  
Co located energy meters (plant room)



**Critical Note:** Flat's mains supply tails must be rated to carry the DNO supply and the entire single-phase generation of the inverter (Dual supplies). If they are not sized large enough, additional fusing must be installed.

**CT Connection Point (Live)**  
**Note:** If CT cables requires extending- Suitable cable: 0.25mm (24AWG) Belden 2 core shielded. Please ground cable shielding to Earth inside SolShare. **MAX DISTANCE 100M**

**Board Dimension**  
H 240mm  
W 160mm  
(recommended for when using 25mm Tails- If 16mm smaller board available H190mm W 140mm)  
**Note:** The MCB must be rated to carry the maximum single-phase output of generation from the inverter. (The cable size must also be rated to handle this load.)



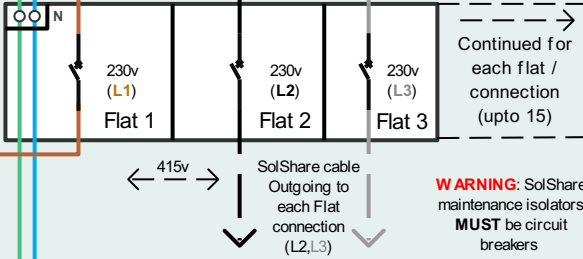
**Note:**  
35A per phase is **maximum** SolShare capacity, this typically means a max 20kW inverter

Current transformer inputs x 15

**Note:** Cable run from the SolShare to the maintenance isolators **MUST** be rated to carry the full output capacity of 1 phase of the inverter

**Maintenance Isolator Board / Enclosure**  
**Note:** local isolation for the SolShare unit. This is typically a metal-clad electrical enclosure that contains an electrically separated MCB (Miniature Circuit Breaker) for each connection/flat. The selected MCB must be rated to withstand the entire single-phase output of the inverter.

**SolShare Supply Cable:** Single Live conductor only **SWA NOT** Suitable please use alternative (EG. Non ferrous Hi Tuff H07RNF, Double insulated or others) rated to carry the full output capacity of 1 phase of the inverter  
**Note:** Neutral is **NOT** required in this cable. Earth conductor can be run within this cable. Please select appropriate cable.



**Note:** Each flat gets grid supply via a different phase in the multi- service distribution board. This allows us to have a 3 phase connection at the solshare & inverter

**WARNING:** SolShare maintenance isolators **MUST** be circuit breakers

**Note:** Earth & Neutral cable sizing must be appropriately sized to the line conductors supplying the inverter.

**E**  
Connected to M.E.T  
**N**  
Connected to Neutral in MSDB



## Multi-Service Distribution Board (MSDB)