

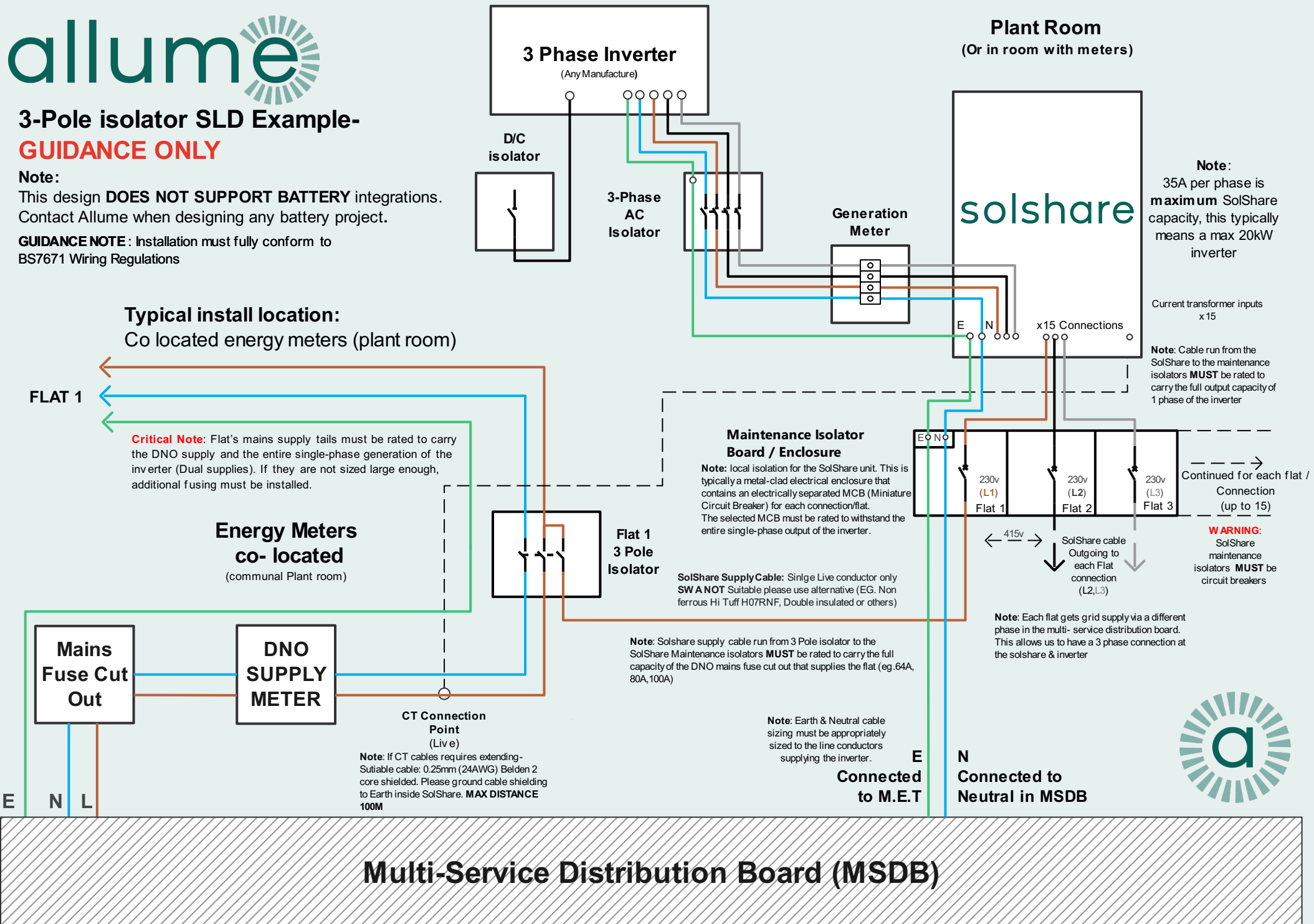


3-Pole isolator SLD Example-

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 location:
Co located energy meters (plant room)

FLAT 1

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.

Energy Meters co-located
(communal Plant room)

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**

Flat 1 3 Pole Isolator

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 **SW A NOT** Suitable please use alternative (EG. Non ferrous Hi Tuff H07RNF, Double insulated or others)

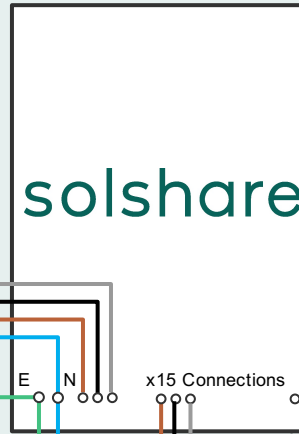
Note: Solshare supply cable run from 3 Pole isolator to the SolShare Maintenance isolators **MUST** be rated to carry the full capacity of the DNO mains fuse cut out that supplies the flat (eg .64A, 80A,100A)

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

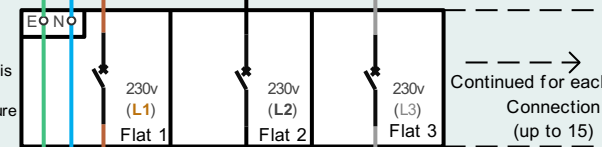
Plant Room
(Or in room with meters)



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

Current transformer inputs x15

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



Continued for each flat / Connection (up to 15)

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

← 415v →
SolShare cable Outgoing to each Flat connection (L2,L3)
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



Multi-Service Distribution Board (MSDB)