

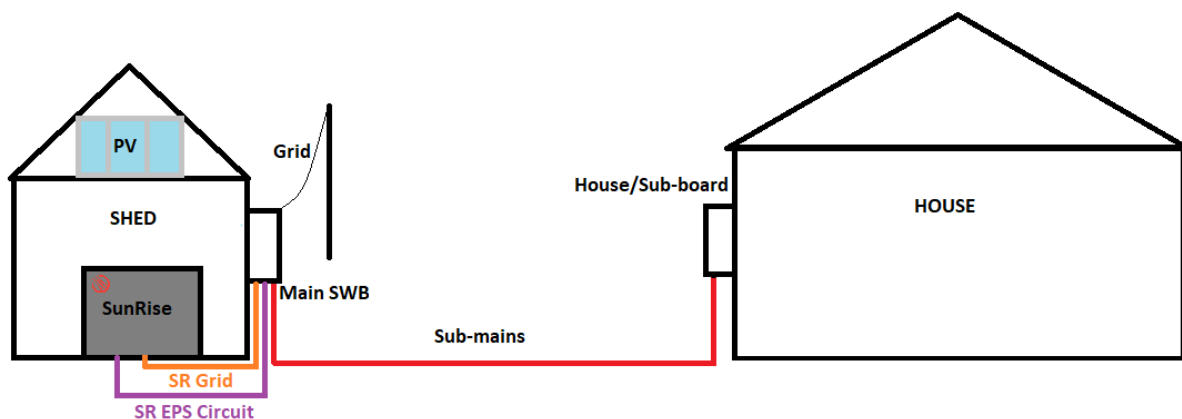


Installation of SunRise systems on sheds and outbuildings.

Overview:

- Installation of a Sunrise system to back up circuits on a sub-board requires special consideration.
- Backup circuits (EPS) are limited to 20A (1Ø) and 18.5A (per phase 3Ø) **during grid connected operation.**
- Backup circuits (EPS) are limited to 13A (1Ø) and 14A (per phase 3Ø) **during battery backed operation.**
- If the EPS backup circuits are in a sub board extra cabling needs to be ran to supply them.

See installation diagram below.

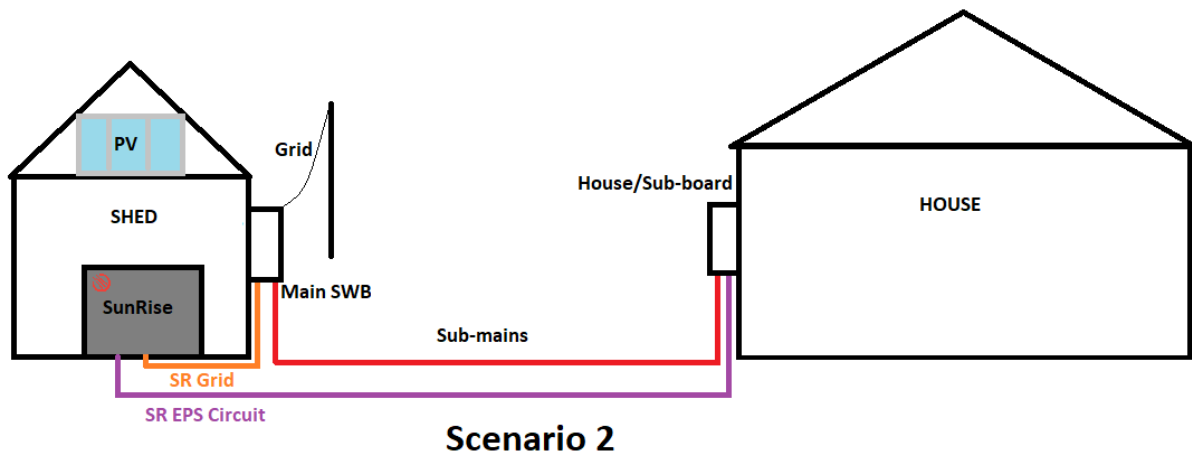


Scenario 1

In this arrangement no individual house/sub board circuits can be backed up, only the entire supply to the house/sub board. Given the backup specifications **this is likely not feasible.** Individual circuits in the shed can be backed up.

If installed in this manner, **expensive reworks/trenching could be required to back up house circuits.**

Installation with EPS backup of individual circuit(s) on house/sub-board.



By running additional cable, suitable circuits can be backed up in the house/sub board.

If trenching etc is not practical between the Sunrise and the sub-board circuits to backup, then consideration should be given to installing the Sunrise at the house (with PV on the house). *Be aware that grid connected PV “upstream’ of the sub-board the SunRise is connected to will appear as grid power.

If the only practical option is to backup the entire house/sub-board then a DropBear or CopperHead solution should be investigated.