Performance task preferences

The Performance task can be streamlined by configuring your settings in **My account** > **Preferences** > **Performance** or **Pro Account Settings** > **Performance**. Here you have the option to configure whether you want panel allocation and the generation of sunpath diagrams and shading factors to be automated.

Panel allocation

Choose between:

- **Automatically allocate panels**: use auto-stringing to automatically make a string plan without any input needed from you.
- **Suggest allocation**: use auto-stringing to make a string plan which it will suggest for you to accept or edit manually.
- **Manually allocate panels**: manually construct your string plan, with the option to use auto-stringing when you do so.

Sunpaths

With 3D and Magic design mode, Easy PV can automatically calculate any shading losses.

Here you can choose whether you want Easy PV to **automatically calculate shading based on the terrain and 3D buildings** or whether you want this to be excluded so you can set the shading manually.

Self-consumption and performance

Choose which method you'd like to use to calculate the total annual generation of the system.

> **Warning**: Changing the performance mode used with affect **all projects**.

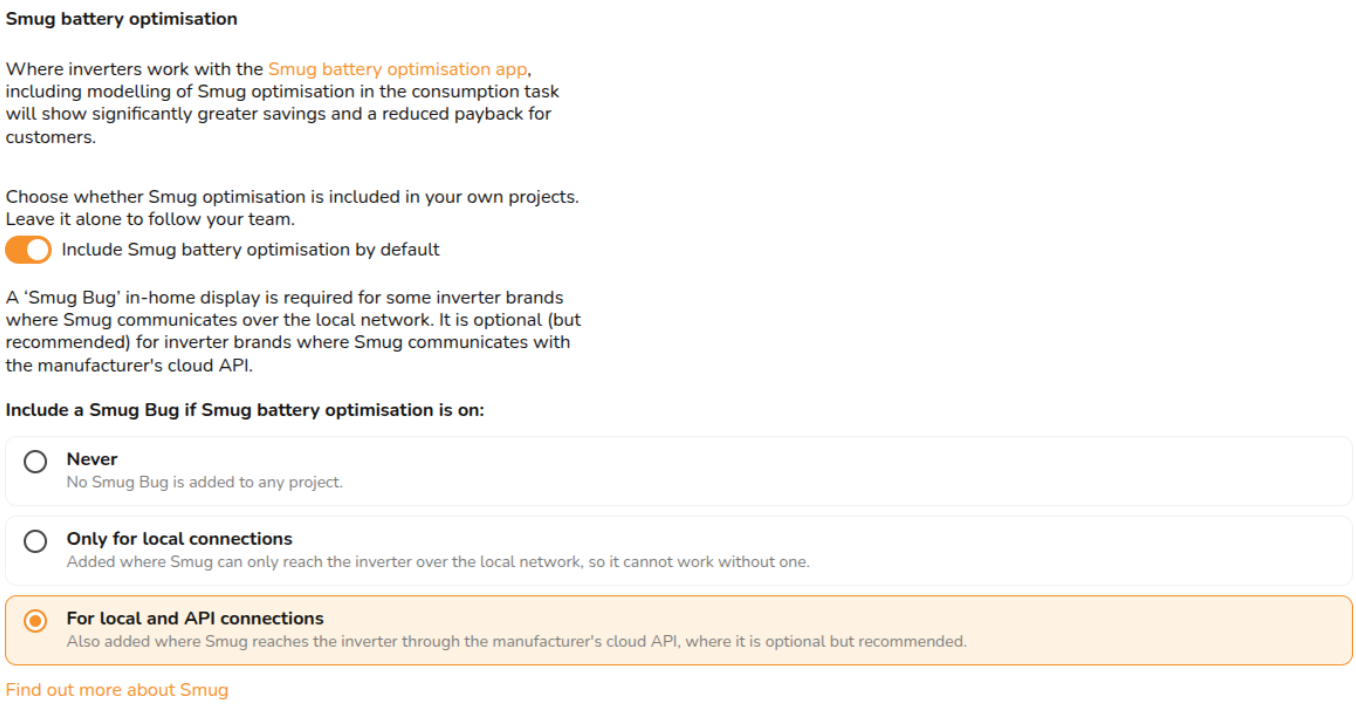
Choose from:

- **easy-pv.co.ukMCS**: This is based on the method detailed in Appendix B of MIS 3002: The Solar PV Standard (Installation) and will only work for UK postcodes.
- **NREL**: This method is based on NREL's PVWatts calculator, this is an international method that works for any location.
- **PVGIS**: This is another international option that is based on PVGIS data so will work for any location.

If selecting the MCS method, you can also choose whether you want to:

- **Set default values for MCS self consumption**: this will let you set default values which will be used by default for each of the inputs required for the MCS consumption calculations.
- **Manually enter MCS self consumption**: if you select this option you will need to set the inputs required for the MCS calculations on every project.

Smug battery optimisation



Toggle ON '**Include Smug battery optimisation by default**' to automatically add a **Smug Bug** to compatible projects:

- **Never** - Smug Bugs will not be added by default to any project.
- **Only for local connections** - Smug Bugs are included in projects where Smug can only reach the inverter over the local network, not through cloud API.
- **For local and API connections** - Smug Bugs are added by default when the selected inverter can be reached by Smug through the manufacturer's cloud API, where Smug is optional but recommended.

Still Need Help?

- **Related FAQs:** Check out our Performance FAQs for answers to common questions
- **Related guides**: Take a look at Completing the Performance Task
- **Live training:** Book onto a live demo session to see this feature in action

Contact Support: If you've got further questions, get in touch with our support team at **help@easy-pv.co.uk** (UK) or **help@easy-pv.ie** (IE). *If you are experiencing a bug, to help us look into your issue faster, please include the email address of your account, the name of the project and screenshots of any unexpected behaviour.*

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