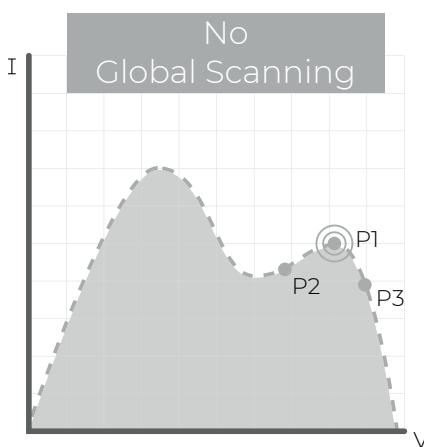


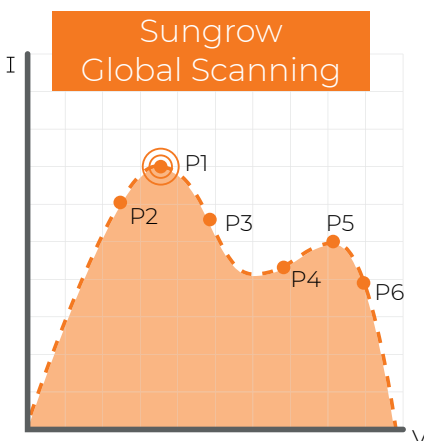
SHADE? NO WORRIES!

Smart shade management starts with Sungrow inverters. In cases of shade, the smart Global Scanning function will optimise the yield of your PV installation!!



THE PROBLEM

Every PV module has a maximum power point at which it produces optimally. We call this point a MPP. When shading occurs, multiple MPP's can arise. **Not every MPP provides an equal amount of power and sometimes an inverter might choose a suboptimal MPP.** This is where Global Scanning comes in to play.



THE SOLUTION

Every Sungrow inverter has one or multiple MPP Trackers (MPPT's) built-in that monitor the MPP's and extract the maximum power out of your PV plant. Without global Scanning enabled, the MPPT might choose a local MPP which produces less power than the Global MPP. Thanks to the Global Scanning function **the MPPT's can identify the global MPP and maximise the yield of your PV plant in case of shading.**

WHEN?

Global Scanning was developed to diminish the effect of static shading. Examples of static shading might be dormers, chimneys or trees. If your PV plant suffers from one of these types of shading it might be beneficial to enable the Global Scanning function.

HOW?

Global scanning can be enabled in the "advanced parameter settings" sub menu which can be found in the "settings" menu. In this menu, navigate to the "**Power Control**" tab and enable "**Global MPPT Scanning**". Next, **enable "Periodic Scanning"** and choose the desired scanning period.