

NEW PEEL & STICK SOLAR PANELS OFFER SEVERAL KEY ADVANTAGES

Want to turn your vehicle or trailer into a portable power station? Traditional rigid silicon panels are heavy and thick, must be mounted with hardware, and require multiple penetrations to attach. Covered with glass, they can also shatter when hit by rocks or branches. By comparison, meet Sunflare XPLORE flexible peel-and-stick solar panels.

Constructed for rugged expedition, Sunflare starts with a flexible stainless steel substrate and adds a layer of semiconductors less than one micrometer thick. The modules

are then covered with a polymer top sheet.

Installation is a breeze. Sunflare XPLORE panels come with adhesive pre-applied on the back. Just peel and stick, wait 48 hours, and that panel can withstand gale force winds.

Another benefit of Sunflare XPLORE solar panels is that they do not micro-crack. (Micro-cracks—caused by the flexing and vibration of a vehicle during off-road or rough road travel—or by mishandling in the delivery or installation process—are minute cracks in silicon solar cells that are impossible to see

but impact the performance of a panel.)

Sunflare XPLORE panels also perform better in partial shading. Traditional silicon panels have a bypass diode per string or per two strings, so if one cell is shaded, a whole string is knocked out. Depending on where shade falls—for example, if a branch casts a shadow across a row—an entire panel could be totally knocked out. Sunflare panels have bypass diodes at every cell, so if one cell is shaded, that's the only cell that turns off.

Sunflare XPLORE solar panels are available in three sizes for recreational installations: 180 watts, 126 watts and 105 watts.

For more info, visit sunflareexplor.com. ■

