

# Solar Home System (SHS) Typologies

## ELECTRICAL CONNECTIONS

## DESIGN PROCESS

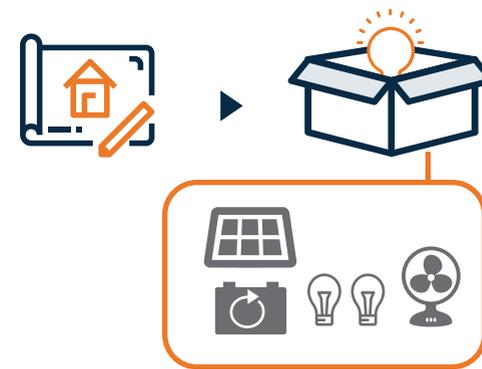
## INSTALLATION & OPERATION

### Plug-and-Play SHS Kit

System size limits:  
10-350 Wp



All connections made without the use of tools



System is pre-designed and sold as a complete package

*Only DC systems are eligible for Lighting Global program support*



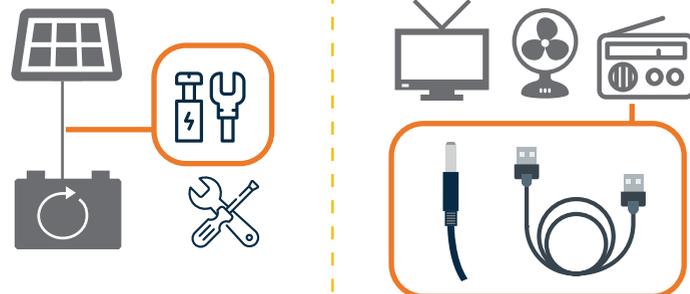
Safely installed and operated by a typical consumer without a technician or electrician<sup>†[1]</sup>



Instructions provided to allow typical consumers to safely operate

### Non-Plug-and-Play SHS Kit

System size limits:  
10-350 Wp



Permanently installed connections made with tools<sup>†</sup>

Consumer-made connections without the use of tools



Lighting Global recommends that these kits be installed by qualified technicians or electricians<sup>†[1][2]</sup>



Instructions provided to allow a typical consumer to safely operate



List of tools and instructions for connections included

### Custom Component-Based SHS\*

System size limits:  
none



No restrictions — could be any combination of electrical connection types



System is custom-designed for consumers

*System can be DC, AC, or combination*



Qualified technicians or electricians install the system and provide guidance on safe usage

\* Custom component-based systems are currently not eligible to participate in the Lighting Global program.

† To be eligible to participate in the Lighting Global program, all connections must meet the criteria described in the "Electrical Connection Requirements" section of the Lighting Global Quality Standards.

‡ Companies may choose to exclusively use trained technicians to install their kits. In these cases, the installation instructions may be provided to the technician instead of in the user manual, but are still reviewed by Lighting Global.

[2] Lighting Global verification assesses the performance of the system but cannot assess proper installation of the product.