



OPTIMAL SIZING CALCULATOR TOOL

Optimal parameterization of a photovoltaic (PV) and a battery energy storage system (BESS) add-on for a consumer. To maximize the contributions while minimizing the price of the installations, the calculator finds the optimal sizes of a PV and a BESS for a site. Those sizes are peak power of the PV system, energy capacity of the BESS, and power converter rated power of the BESS.

Download: <https://bit.ly/3dKrFRw>



RESULTS

Optimal battery size

Optimal power converter

Optimal PV size

ON/C A selection of choices is stored in every parameter. Choose the appropriate for your application.	✓ HELP Users manual	(Messages inform about the progress	% Pre-defined & customizable power profiles	=
PV SYSTEM PARAMETERS		BESS PARAMETERS		
9 Orientation	8 Inclination	1/X Number of cycles	π Price of new power converter	
7 Lifetime of PV system	6 Max. possible peak power	5 Price of PV system	— Charging efficiency	M+ Lifetime of power converter
BASIC PARAMETERS				
4 Yearly consumption	3 Consumer type	2 Investment payoff period	× Depth of discharge	÷ Discharging efficiency
1 Optimal criterion	0 Country	± Peak power billing	• Price of new battery pack	+

