



# 12K<sup>™</sup> BROCHURE



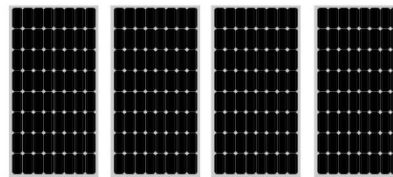
Cloud Monitoring & Programming

## Modes:

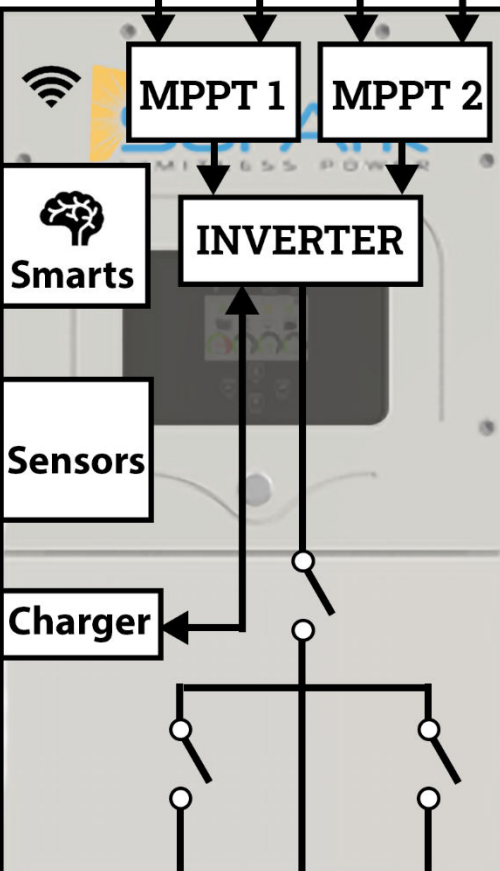
Grid Sell, Off-Grid, Meter Zero, Time of Use, & Peak Shaving

RSD/Emergency Stop, External CT Sensors, Parallel Comms/Battery Comms, Auto Gen Start

**Battery Agnostic**  
48V Nominal & at least 50Ah



**13kW DC Coupling**  
150V-425V @ 20A  
per MPPT



**4ms UPS**  
No-Glitch Transfer

**Smart Load**  
Prioritize  
Necessities &  
Run Luxuries  
With Less

**Gen Breaker**  
Up to 12kW  
Generator Input

**Grid or Generator**  
63A Passthrough

**Off-Grid Loads**  
9kW Continuous  
16kW Peak

**AC Coupling**  
9.6kW Output



**Highest Rated Reviews  
On Energy Sage**

## Install Simplicity

You don't have to piece together multiple parts to get basic functions. Ours does it all, does it better, and does it with simplicity.

## 7 Day/Week Engineering & Customer Support

Sol-Ark beats all competition at customer support. Our engineers assist with all questions, diagnoses, and remote unit management.

We solve virtually any problem without a site visit.

Feature Comparison	Sol-Ark 12K	Tesla Powerwall2 x 2	Generac PWRcell	LG/SolarEdge EnergyHub	Enphase Encharge 10
Install Simplicity	Entire Home Transfer Switch, All-In-One Hybrid, Some Load mgmt.	Entire Home Transfer Switch. <b>No Load mgmt.</b>	Entire Home Transfer Switch, All-In-One Hybrid, 8ch Load mgmt.	Entire Home Transfer Switch. <b>No Load mgmt.</b>	Entire Home Transfer Switch. <b>No Load mgmt.</b>
7 Day Single Support Line For Solar + Storage for both installer and end-user	Yes	No	Yes	No	Yes
Peak Current (Off-Grid) Higher Power = Fewer Support Calls	67A	60 A	50 A	30 A	24.6 A
Continuous PV to AC Power (On-Grid)	9 kW	15.2 kW	7.6 kW	7.6 kW	10-15kW
Continuous Batt Power (On/Off-Grid)	9 kW	10kW	7.6kW	5kW	3.84kW
Battery Life Span	16 Years (LFP) No Cooling Needed	10 Years NMC Must Active Cool	10 Years NMC Must Active Cool	7 Years NMC Only Passive Cooling	16 Years (LFP) No Cooling Needed
Hardware Reliability	20+ Year Design Life, Electronics Isolated from Environment	20+ Year Design Life, Electronics Isolated from Environment	10 Year Life, Electronics Exposed to Humidity & Dust or Clogged Filter	20+ Year Design Life, Electronics Isolated from Environment	20+ Year Design Life, Electronics Isolated from Environment
AC Coupling for Easy Upgrades	Yes	Yes	No	Yes	Yes
Charging Battery from Generators	Yes	No	No	No	No
PV to Batt to AC Efficiency	93%	87%	85%	82%	87%
Fleet Mgmt Tool w/ Remote Setup	Yes	No	Yes	Yes	Yes
Customer Satisfaction Rating / Reviews	5.0 x 82	4.0 x 210	5.0 x 1	3.0 x 19	3.5 x 24