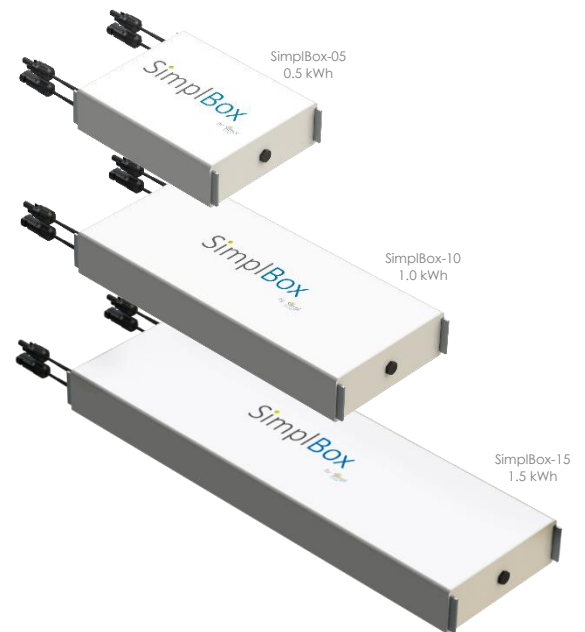


SimplBox

MicroStorage Solution by **Simpl.**

SimplBox is an energy storage system designed to be installed underneath individual solar panels. SimplBox optimizes the financial value of the energy generated by a solar panel by storing the right portion of this energy for use later when electricity is more expensive.

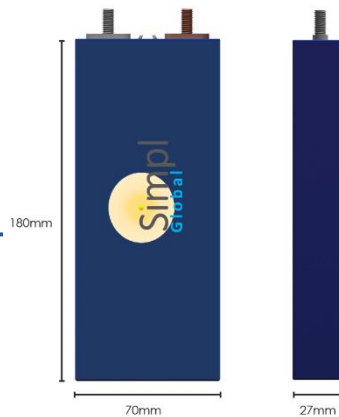


Applications

- Demand shaving
- Time-of-Use (TOU) arbitrage
- Solar self-supply
- Micro-grid
- Backup power
- Utility ancillary services

Key Differentiators

- Easy installation directly under the solar panel
- Does not take up any additional space
- Same unit works with all solar panels with a wide variety of voltage ranges from 30-cell to 96-cell
- Using Simpl's patent-pending Impedance-Matched Coupling (SIMC) technology, SimplBox is 25% more efficient than comparable units in the marketplace.
- Patent-pending, fault-tolerant, and self-healing mesh networking as the basis of the control system
- Lithium Iron Phosphate (LFP) battery cells for ultimate in safety and durability
- SimplWeb, remote, web-based controls allowing for continuously adjusting system algorithms and controls to optimize savings
- Sealed construction with no mechanical relays or electrolytic capacitors provides state-of-the-art reliability.
- Batteries are kept cool by using an engineered, non-metallic, thermally insulated material which is certified to UL 94 5VA.
- Battery casing is sealed at IP67 rating.
- 10-year standard battery warranty with available 20-year warranty



Battery Cell

25 Ah, LFP cells are procured by Simpl Global from two established, NASDAQ-listed battery manufacturers.

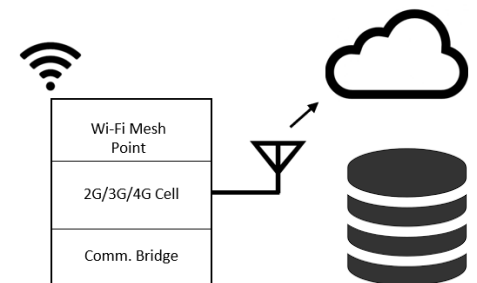
SimplBox

0.5, 1.0 and 1.5 kWh models are manufactured using the above cells, our proprietary battery management system (BMS), engineered casing and our patent-pending Floating Control System.

System Configuration

Once a SimplBox is attached to a solar panel, it uses its mesh-networked core to wake up and automatically connect to the Simpl's web-hosted database and application, SimplWeb.

SimplWeb is designed to command and control your energy storage assets and to maximize its economic value.



SimplBox is equipped with fault-tolerant networking and SimplWeb which is a real-time database hosted by Simpl Global.

SimplBox	SimplBox Models		
	SimplBox-05	SimplBox-10	SimplBox-15
Battery Chemistry	Lithium Iron Phosphate (LFP)		
Number of LFP Cells	6	12	18
Rated Capacity (kWh)	0.5	1.0	1.5
Solar Input Ratings:			
Max Solar Panel Rated Power (W)	450		
Solar Panel Input Voltage Range	25V – 59V		
Solar Max Input Current	7.5A		
Inverter Output Ratings:			
Inverter Max Power	350W		
Inverter Output Voltage Range	25V – 59V		
Inverter Max Output Current	7.5A		
Battery Ratings:			
Max Battery Charge Power	250W		
Max Battery Discharge Power	250W		
"C" Rating	0.60	0.30	0.20
Mechanical and Environmental:			
Dimensions (L x W x T)	12.5" x 8" x 2.6"	20.5" x 8" x 2.6"	28.5" x 8" x 2.8"
Weight (lbs.)	11	21	32
Charge Temperature Range	0 °C to 45 °C		
Discharge Temperature Range	-20 °C to 55 °C		
Storage Temperature Range	-30 °C to 60 °C		
Noise Level	No Noise; No moving parts		
Communication Protocol	4G wireless, Wi-fi Mesh Network based on Simpl Global's patent-pending technology, and Bluetooth		
Battery Casing Outdoor Rating	IP67		
Certificate of Compliance	Battery Cells: UL 1642 Battery System: UL 1973 (pending) Battery Casing: UL 94 5VA		
Grid Connection	SimplBox does not connect to the grid directly. It connects to the microinverter, string inverter or DC optimizer used for connecting the PV panel to the Grid.		

