



# HappyVolts All-In-One Modular

The HappyVolts Modular provides a stable, clean, smart and modular energy management platform.

## Safe

Several layers of electronic protections to ensure safe Li-Ion battery management.

## Modular

Expand your battery capacity by buying more pluggable modules.

## Compatible

Will work with standard 24V solar panels by simply plugging it (Solar Version).

## Compact and Portable

Will fit in any place of your house or business. It will also look great!

## Easy to Install and Use

Install in less than 2 hours depending on the setup.

## Intelligent IoT

Real time insights of the battery performance, energy use and much more.

Grid Backup (UPS) and Off Grid Solar Power. Millions of homes and businesses around the world have to endure the inconveniences of energy blackouts and their consequences. With HappyVolts Slim, your customers will be able to withstand blackouts or use off-grid solar power.

[www.happyvolts.com](http://www.happyvolts.com)





	All In One 1kW/1.25kWh (Grid Backup)	All In One 2kW/2.4kWh (Grid Backup)	All In One 4kW/3.6kWh (Grid Backup)	All In One 1kW/1.25kWh (Off Grid Solar)	All In One 2kW/2.4kWh (Off Grid Solar)	All In One 4kW/3.6kWh (Off Grid Solar)	All In One Hybrid 5kW/5kWh
Model	Slim/Modular	Slim/Modular	Slim	Slim/Modular	Slim/Modular	Slim	Slim/Modular
Product code	HVSI-AC-120-1000	HVSI-AC-120-2000	HVSI-AC-220-4000	HVSI-DC-48-1000	HVSI-DC-48-2000	HVSI-DC-48-4000	HVSI-HY-500-5000
Storage Capacity	36Ah @ 25.6VDC	72Ah @ 25.6VDC	72Ah @ 51.2VDC	36Ah @ 25.6VDC	72Ah @ 25.6VDC	72Ah @ 51.2VDC	100Ah @ 51.2VDC
Power Output Rating	1kW	2kW	4kW	1kW	2kW	5kW	5 kW
Depth of Discharge	95%	95%	95%	95%	95%	95%	95%
Battery Cycle Life	2500	2500	2500	2500	2500	2500	2500
Charging time Hrs.	4,5	4,5	4,5	1.5 to 8	3 to 16	3 to 16	3 to 16
Inverter wave	Pure Sine Wave						
Output Frequency	60 Hz +_5 Hz						
Input Voltage	120/240VAC	120/240VAC	120/240VAC	Solar (<48VDC)	Solar (<48VDC)	Solar (<48VDC)	Solar ( < 400 VDC)
Output Voltage (VAC)	120VAC±5%	120VAC±5%	120VAC or 240VAC ±5%	120VAC±5%	120VAC±5%	120VAC or 240VAC ±5%	120VAC/240VAC Split Phase ±5%
Max.MPPT Amps.(A) (Solar Only)	N/A			30		60	10
Monitoring Dashboard for Distributor	Yes						
Round-Trip Efficiency	0,95						
Modular (+ modules + power and storage)	Starting 2023						
Monitoring Dashboard	Yes						
Remote Diagnostic?	Yes						
Customer App?	Yes						
Certifications	Tuv, ICE-62133-2, ISO	Tuv, ICE-62133-2, ISO	Tuv, ICE-62133-2, ISO	Tuv, ICE-62133-2, ISO	Tuv, ICE-62133-2, ISO	Tuv, ICE-62133-2, ISO	Tuv, ICE-62133-2, ISO
Warranty	5 years battery or 2,500 Cycles, 5 years inverter (Extended warranty and battery swap plans available)						