



2023 Impact Report

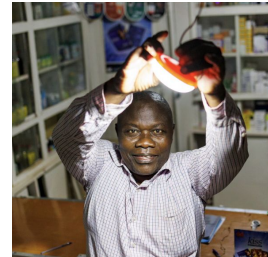
Released: January 2024



Our Vision



We are committed to providing productive solar appliances and systems to millions of people in need of clean, affordable power.



Climate Impact

Active in 30+ Countries Globally

Amped Innovation is a designer and manufacturer of high-performance off-grid, solar systems and appliances for solar-rich environments. Working closely with its distribution partners, Amped serves hundreds of thousands of families and small businesses in need of reliable, clean energy across Africa. Amped is backed by leading impact investors and institutions.

<https://www.ampedinnovation.com/>



870k

Lives impacted by
WowSolar

217k

Solar Power
Systems Sold

6713

Mega Whr Clean
Energy Generated
Annually

52

Kilotons of CO2
Averted
Annually

▲ Social Impact

Amped Innovation has been bringing energy access to the hardest to reach communities across Africa since 2017. Serving an additional 87,000 people with essential access to lighting and phone charging through WowSolar systems is an honor and privilege.

87k

New lives impacted
in 2023

456

People with access to
solar-powered cold storage

741k

People with access to clean
lighting & phone charging

109k

People with access to solar
television for news & edu





1285⁺

sales and technical partners trained

86%

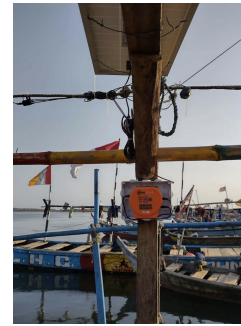
pass rate on all certifications

97%

satisfaction rate from participation in program

We help build businesses. The Amped Partner Program is designed around building capacity for distributor sales success, ease of doing business, and creating opportunities to grow their business. It provides product and technical training, technical support, PAYGO integration, sales and marketing tools, and a range of other benefits to Amped partners.

Hundreds of Customer Visits



Dozens of EasyFreeze Technical Trainings



Dozens of WowSolar Technical Trainings





Product Portfolio

Mission: Create Accessible & Sustainable Solar Systems & Appliances for emerging markets.



WowSolar™ Lighting Gen 1 Kits



60



- 3x 160Lm lamps
- 1x 6W solar panel
- 1x 20Whr LFP battery
- 2x USB ports
- 2x 12V appliance ports
- Includes Pay-as-you-Go

100



- 4x 160Lm lamps
- 1x 10W solar panel
- 1x 20Whr LFP battery
- 2x USB ports
- 2x 12V appliance ports
- 1x Radio with Torch
- Includes Pay-as-you-Go

400



- 4x 160Lm lamps
- 1x 15W solar panel
- 1x 40Whr LFP battery
- 2x USB ports
- 4x 12V appliance ports
- Radio with Torch
- Standalone Torch
- Includes Pay-as-you-Go

WowSolar™ Television & Fan Kits



Gen 2

Brighter lamps: 210 Lumens / lamp.

Flexible charging: Charge with a solar panel or an AC wall charger.

More power: Up to 100W in (2x50W panels) and 60W out.

Larger LFP battery: up to 200Whr in a single enclosure.

Wall-mountable controller with 2 charge ports & now 4 cell phone compartments.

Easier operations: No more RJ cable. Just mount the single enclosure on the wall and you're ready to go!

Upgradeable: XT60 port for easy battery upgrades.

More reliable: Resettable fuse means self-serve support.



EasyFreeze 100

EasyFreeze: 1st Affordable Off-Grid Cold Storage



High-performance

A strong 225W compressor enables high-precision temperature control (0.5°C) and a uniform temperature profile. Quality tested up to 43°C for superior performance in hot climates.

38% higher efficiency!

Smart energy consumption

Automatically runs at a lower duty cycle if there is insufficient solar to conserve the battery or when powered off to maintain battery integrity.



State-of-the-art thermal

battery (propylene glycol) provides 40 hours of cooling without any power inputs after sundown or a power outage. Low-cost thermal battery ensures 24/7 cooling.

10X better thermal control!

Mobile app

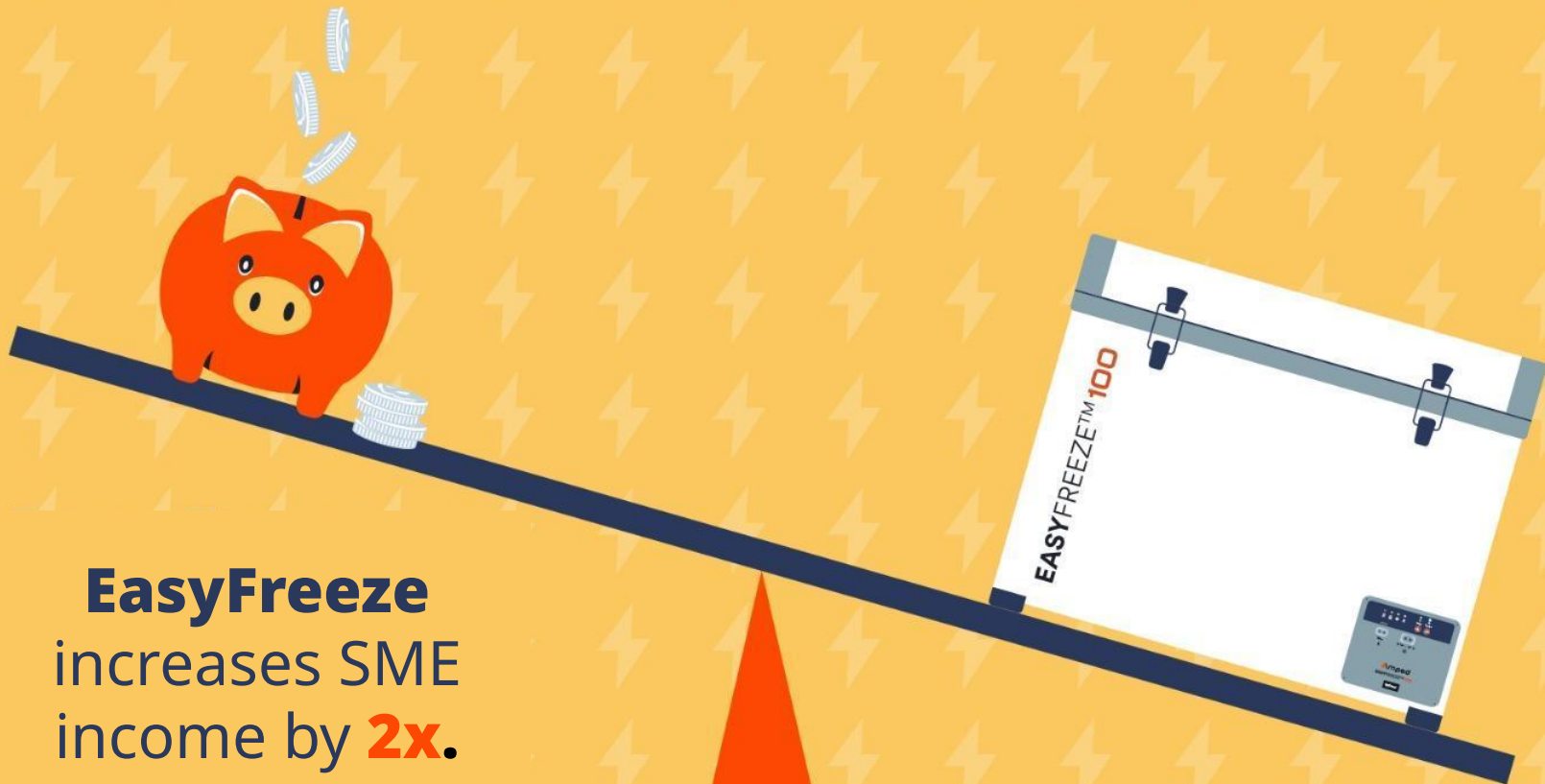
The Amped Bluetooth phone app makes diagnostics reporting and system health management easy. (Coming soon!)

[EasyFreeze Data Sheet](#)

EasyFreeze™ Performance



	Amped	A	B	C	D
Product Characteristics	EasyFreeze 100	BD-208	1DS65X	FR100-B	PF166-H
Price	\$	\$\$	\$\$	\$\$\$	\$\$\$
Fridge or Freezer Mode	✓	Freezer Only	Fridge Only	✓	✓
Chest / Top-Opening Orientation	✓	✓	Front Opening	✓	✓
At least 100 L Capacity	✓	✓	61	✓	✓
At least 26 Hours of Tested Autonomy without sunshine * Hours to rise from 4°-12°C at 32°C ambient	✓	1.38	✓	2.05	2.86
Cool-down time (empty) < 25 min * Minutes to go from 32°C ambient to 8C within the chamber	✓	64	570	40.8	39.6
Tilt & travel safety mode to extend compressor lifetime	✓	No	No	No	No
Bluetooth data logging enabled (easy remote maintenance)	✓	No	No	No	No
PAYGO enabled for End-Users	✓	✓	✓	No	No
Financing Terms for Distributors	✓	Unknown	No	No	No
Easy to install product (i.e. battery & controller are integrated)	✓	✓	No	No	No
Powerful 225W Compressor	✓	60W	30W	44W	✓
Compressor Quality	✓	Unknown	No	✓	✓



EasyFreeze
increases SME
income by **2x**.

#GetAmped

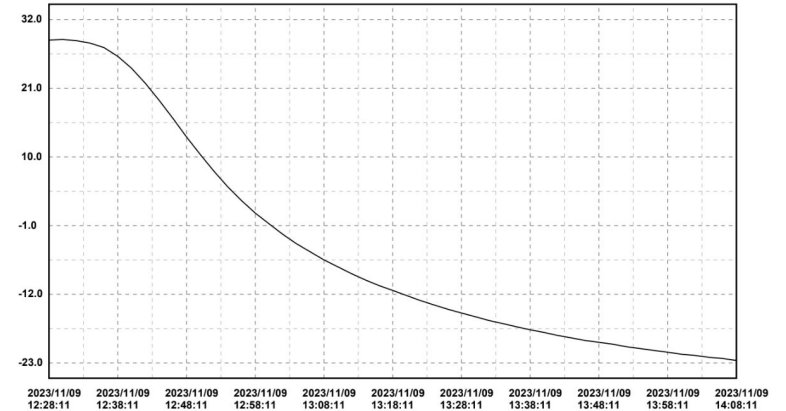
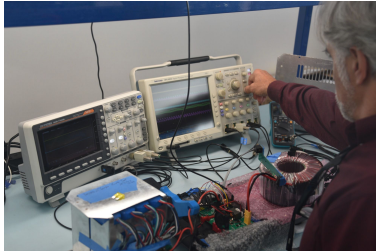
Our Shared Purpose with Partners

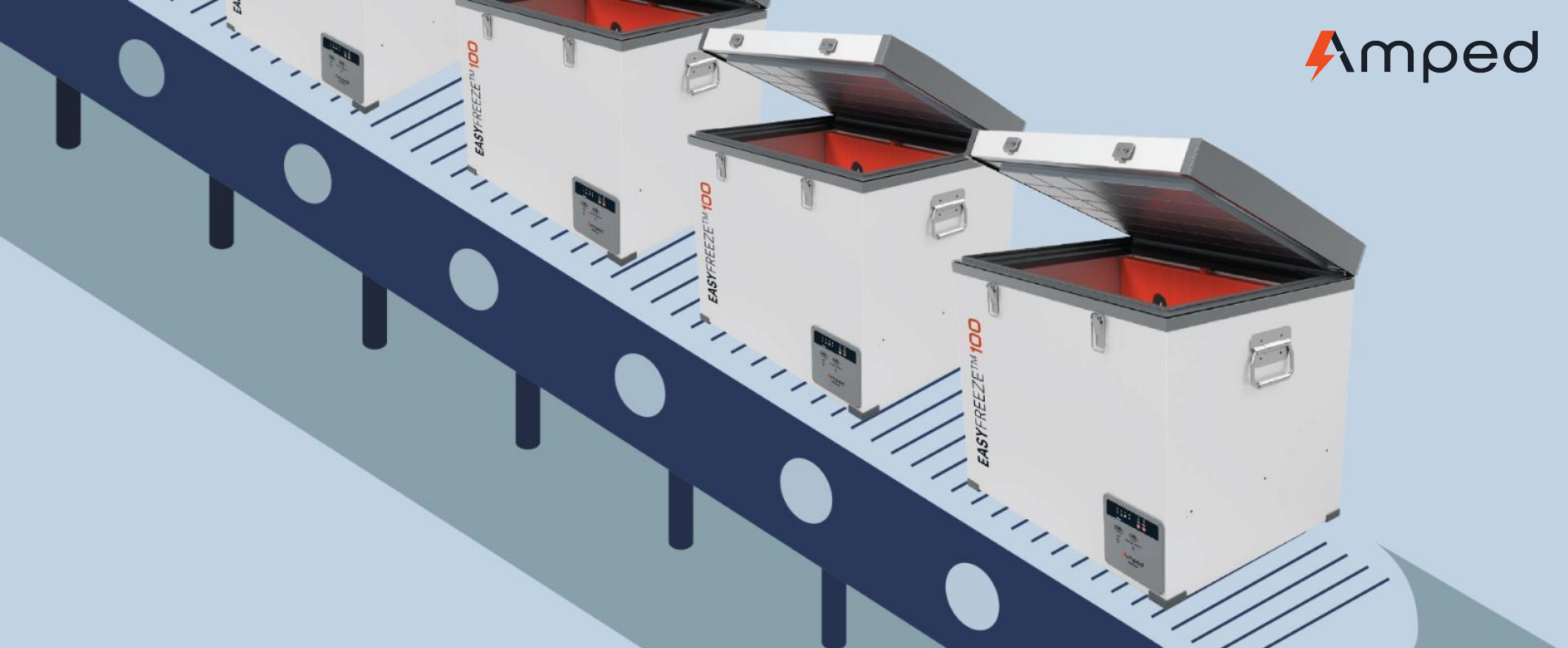


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Thousands of Test Hours to Ensure Quality





Thank you!

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