

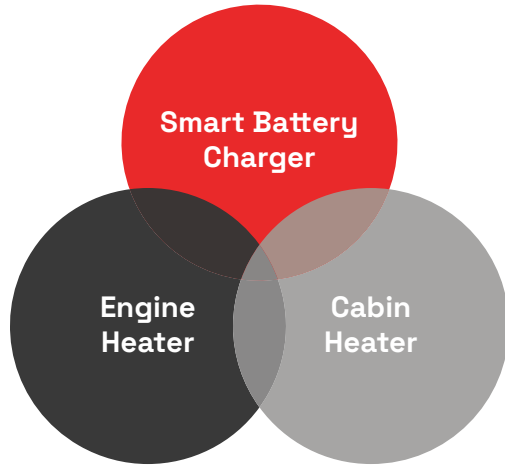


DEFA WarmUp

Comfort - Convenience - Peace of mind!

DEFA WarmUp - A No Idling Solution for Every Need

DEFA WarmUp is a scalable product lineup that allows you to select your preferred level of comfort, while ensuring savings and reduction to emissions at every level. Whether you need a basic setup or a fully equipped WarmUp system, you can choose the solution that fits your needs.



- ✓ Choose Any Combination of Components to Optimize your WarmUp System - All with one singular connection
- ✓ One Connection... Three Distinctive Benefits
- ✓ Optional Bluetooth Control Unit

Control Unit - Smart control, smart saving

Use the Bluetooth® control unit to program preheating through a smartphone, so the vehicle will be ready when you need it. Download the DEFA App to operate WarmUp Bluetooth®. The app gives you full control over both your WarmUp system and lets you monitor your battery status.



Cabin Heater - Saving fuel without idling

Termini™ quickly heat up the compartment, helping to reduce ice and snow from the windows, and preventing condensation. This gives you better visibility and a safer, more comfortable start to your day.

The compact, stylish design fits any interior, and it's easy to install discreetly in the compartment. With energy-efficient PTC technology, Termini™ adjusts heating output automatically, using only the power you need.



Engine Heater - Smooth start any time

A DEFA engine heater preheats your engine and vital fluids before you start driving. This reduces wear, lowers fuel consumption, and cuts harmful emissions - especially on cold days. Designed specifically for your engine, it supports a smoother start of your vehicle also in severe weather conditions, with less strain, less noise, and a better driving experience from the first turn of the key.

Smart Battery Charger - Ready to start when you need it

DEFA's Smart Onboard Charger ensures your car battery stays fully charged and ready - no matter the weather. It delivers smart, gentle charging without overcharging and ensures a reliable start.

It can be installed as stand-alone or be part of the WarmUp system, it gives you peace of mind and a stronger battery, season after season.

WarmUp must be connected to a functional 120V power outlet



Did you know that preheating your car reduces fuel consumption and harmful emissions?

A preheated car reduces harmful emissions by up to 71%* in the first 20 minutes of the drive.

A car releases the same amount of harmful emissions in the first 30 seconds after a cold start as in 190 miles of driving with a warm engine**.

*Source: VTT, the independent state research institute of Finland testing WarmUp vs cold start.

** A study on the effects of cold starts by Berkeley, Carnegie Mellon, the University of California, and MIT

"WarmUp has made my everyday life so much easier"

Mikael Blomqvist, Sweden

"I had this on my vehicle and loved it! Especially the scheduling function to pre-warm the interior of the vehicle before getting in it....and no need to have the engine on while the vehicle was in the garage."

Tom Chan, Canada

"My WarmUp gives me peace of mind every winter - the car always starts right away, the windshield is ice-free, and I save both time and fuel."

Nicolay Knudtzon, Norway



Learn more

Ask your Sales Person or Service Advisor for more information on available solutions for your vehicle.

DEFA WarmUp is a no idling preheating and charging solution providing you with more comfort, more saving, and a more environmentally friendly car.

Increased comfort and convenience

- Reduce ice, snow, and moisture accumulations without using a drop of fuel.
- A preheated compartment gives a nice and warmer start of the journey.
- A fully charged battery for a safe start under any weather conditions.

Increased value

- WarmUp contributes to less fuel consumption, and no wasted fuel due to idling.
- Less wear on the battery and engine.

A more environmentally friendly car*

- A preheated car reduces harmful emissions by up to 71% in the first 20 minutes of the drive.

*Source: VTT, the independent state research institute of Finland testing WarmUp vs cold start.



“Ultimate comfort and reliability without starting your car.”

About DEFA

DEFA is a family-owned Norwegian technology company established in 1946, with employees in seven countries on three continents. We have evolved from a local family business to an international charging company, driven by the search for new connections between technology and people. Our most important principle is simplicity, and while it requires more of us, it brings more value to our customers. That’s how we’ve grown, and that’s how we’ll grow in the future, creating products and solutions that work for everyone, everywhere.

Fundamentally, our mission is to connect people, and the power they need.



DEFA - endorsed by the automotive industry worldwide