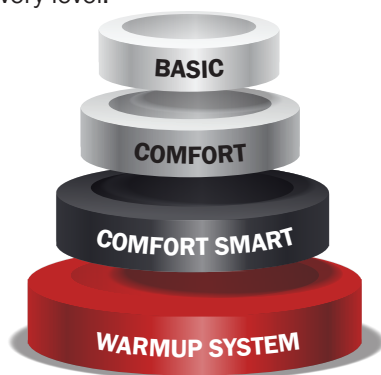


## Comfort and reliability without starting your car.

DEFA offers a customized no idle charging and heating system which gives you a safe and comfortable start to any trip.

### CHOOSE YOUR LEVEL OF COMFORT AND TECHNOLOGY:

From the Basic kit to the most comprehensive one, this scalable product lineup allows you to select your preferred comfort level, while ensuring savings and reduction to emissions at every level.



On-Board Smart Charger Kit  
or  
Engine Heater kit  
or  
Cabin Heater kit

Two of the above

**COMFORT**  
+ Control Unit

All three components  
+ Control Unit

## No idle Charging and Heating Solutions

A solution for every vehicle.\*

### CABIN HEATER

Get into a warmer vehicle without starting the engine.

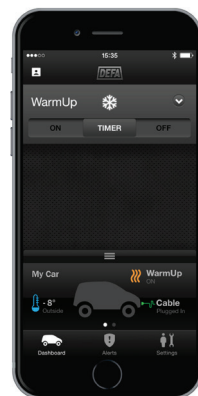
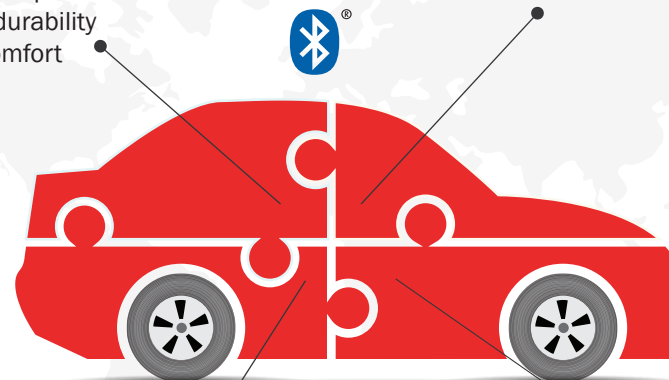
DEFA interior heater uses PTC technology which self adjusts the output power according to the inside temperature of the car. The PTC Ceramic element is extremely safe without open heating coils providing durability and safety as well as comfort and warmth.



### ENGINE HEATER

Ready to go when you are.

Easy-to-start engine, less engine wear, reduced fuel consumption and a more environmentally friendly start to the day.



### PROGRAMMABLE CONTROL UNIT\*\*

Program through your smartphone when the vehicle needs to be ready, and let the system do the rest. Optimizes power usage and ensures a warmer vehicle when you need it. \*\*Also available with In-car control unit. Smartphone not included



### ONBOARD SMART CHARGER

DEFA Onboard smart charger is designed for modern battery technology to improve battery reliability and life span thanks to its software and performance (up to 5A).

\*Please verify available solutions for your vehicle with your local retailer.



WarmUp, OE tested and approved



# DEFA WarmUp

## More comfort\*

The interior heater makes sure that the cabin is warmer and more comfortable, even in the middle of winter.

## Reduced fuel consumption\*

DEFA WarmUp electrically heats up the engine and interior of your vehicle and ensures the battery is fully charged before you start driving, all without using any fuel. A warmer engine starts and runs more efficiently and with a fully charged battery and a warmer interior, the demand for the defroster and seat heaters are reduced, along with the demand for the engine to power the generator. All of these measures help to reduce fuel consumption.

## Reduced harmful emissions\*

A cold engine consumes more fuel and produces more harmful emissions. DEFA WarmUp contributes to significantly reduce harmful emissions.

## Maximize battery performance\*

DEFA WarmUp makes sure the battery is always charged. This makes the car easier to start - even on cold days. It also reduces harmful emissions and increases the life expectancy of your battery.

\*In order to function properly, DEFA WarmUp must be plugged into a functional, household 120V power outlet.

Dealer:

### IMPORTANT INFORMATION

**In order to ensure the safe and proper use of your DEFA WarmUp product, please read and understand the important information found on the Information label affixed to the DEFA power cable.**

#### **⚠ WARNING**

**ELECTRICAL CABLES CAN BE HAZARDOUS.  
MISUSE OF ELECTRICAL CABLES CAN RESULT IN  
FIRE or SERIOUS INJURY or DEATH.**

### Warranty

This product is guaranteed for 2 years from the date of sale to the original consumer against defects in material and workmanship. The manufacturer's sole obligation shall be to repair or replace, at the manufacturer's option this product, provided it is returned transportation prepaid, to the manufacturer within one month.

Defects or failures due to improper or careless installation, usage, storage or handling, as to any and all of which, the manufacturer will be the sole judge, are specifically excluded from this guarantee. No other liability of any nature or kind, arising out of or from the use of this product, whether or not defective, is assumed. No liability is accepted for return transportation charges following the repair or replacement as mentioned or for re-installation costs.



Easily operated from  
your smartphone

Comfort and  
reliability  
without  
starting your car



DEFA North America Inc.  
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Call toll free 1 888 539-DEFA (3332)

