



## PROMOTIVE EFB

### Key benefits

- Acid circulator for a longer cycle life: Ensures better acid circulation and keeps charge acceptance at highest levels
- Designed for highest vibration requirements: Ideal for end-of-frame installation
- Energy anywhere: Reliable power for all electric equipment onboard even during rests
- EFB (Enhanced Flooded Battery) for extra reliability: High performance for highest heavy commercial requirements
- Made in Europe: Assembled to highest European standards for best in class manufacturing quality
- PowerFrame® grid technology: VARTA batteries perform extremely reliably and last longer thanks to the patented PowerFrame grid design

For more information visit [www.varta-automotive.com](http://www.varta-automotive.com)



### ORDER INFORMATION

European Type No. (ETN):	680 500 100
Article Number:	680 500 100 E65 2
Short Code:	E18
Barcode:	4016987145531
Packaging Unit:	1
Quantity per Pallet:	21

### TECHNICAL INFORMATION

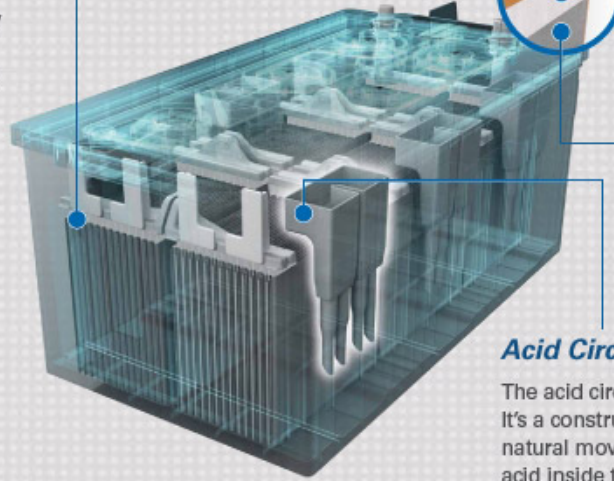
Voltage [V]:	12	Base Hold-down:	B00
Battery Capacity [Ah]:	180	Layout:	3
Cold Cranking Amps (CCA), EN [A]:	1000	Terminal Types:	1
Length [mm]:	513	Case Size:	B
Width [mm]:	223	Weight filled (kg):	47,00
Height [mm]:	223		

**Vibration Resistant**

The hot melt renders the battery even more vibration resistant, because it saves the connectors from breaking. Additional connector fixations hold connectors and plates securely in place. Vibration resistance is even more enhanced – even on roughroad conditions.

**EFB Technology Features**

Scrim is an additional polyester element between plate and separator. The scrim holds the active material in place inside the plate and avoids the erosion of mass. The result: enhanced deep cycle resistance and superior charge acceptance.



The glued fleece helps that the plates keep their proper position at all times and in every condition.

**Extended cycle life**

Compared with a conventional battery.



**Acid Circulation**

The acid circulator avoids acid stratification. It's a construction element that uses the natural movement of the vehicle to keep the acid inside the battery in constant circulation. The acid density stays at homogenous levels, which enhances charge acceptance and extends the overall battery life.

**KEY BENEFITS**



**INTERNAL CIRCULATION**

**Acid circulator for a longer cycle life**

The unique acid circulation is a VARTA technology which set standards in the achievement of homogeneous acid density and optimum charge acceptance.



**VIBRATION RESISTANT**

**Developed to provide highest vibration resistance**

The robust battery construction minimises the risk of faults and prevents downtimes. Ideal for end of frame installation.



**HOTEL FUNCTION**

**Energy anywhere**

Promotive EFB batteries supply all electric devices and the entire onboard equipment, even when the vehicle is at a standstill. As soon as the vehicle is back on the road, the full charge is restored.



**ENHANCED TECHNOLOGY**

**EFB technology for added reliability**

EFB technology (Enhanced Flooded Battery) from VARTA® with constant high performance for the very highest requirements in commercial vehicles.



**MADE IN EUROPE**

**Made in Europe**

Produced according to the highest European standards for best in class manufacturing quality.



**PowerFrame® grid technology**

VARTA batteries provide ultimate reliability and have a longer life thanks to the patented PowerFrame grid design.



Criteria	Promotive EFB	Promotive Silver	Promotive Blue	Promotive Black
<b>No. of Battery Types</b>	2	3	5	36
<b>Primary Function</b>	Engine Start and Enhanced Power Supply, including hotel function	Engine Start and Enhanced Power Supply	Engine Start and Enhanced Power Supply	Engine Start
<b>Reduction potential in Total Cost of Ownership (TCO)</b>	Best	Best	Better	Good
<b>Technology</b>	Labyrinth Lid	Labyrinth Lid	Labyrinth Lid	Conventional Flood
<b>Grid Alloy</b>	Calcium Silver	Calcium Silver	Calcium Silver	Hybrid
<b>Vibration Resistance</b>	Exceeds Long Life Super Heavy Duty (EN4 V3 Standard)	Long Life Super Heavy Duty (EN4 V3 Standard)	Long Life Heavy Duty (EN3 V2 Standard)	Long Life (EN2 V1 Standard)
<b>Quality Level</b>	Original Equipment	Original Equipment	Original Equipment	Original Equipment
<b>Self Discharge Performance* (shelf life)</b>	21 Months	18 Months	15 Months	12 Months
<b>Water Consumption</b>	Extremely Low	Extremely Low	Very Low	Low

\* Compared to conventional non maintenance-free batteries