



## BLACK DYNAMIC

### Key benefits

- Designed for vehicles with less complex power demands
- 100% cold cranking power
- PowerFrame<sup>®</sup> technology for exceptional performance
- Meets OE requirements

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

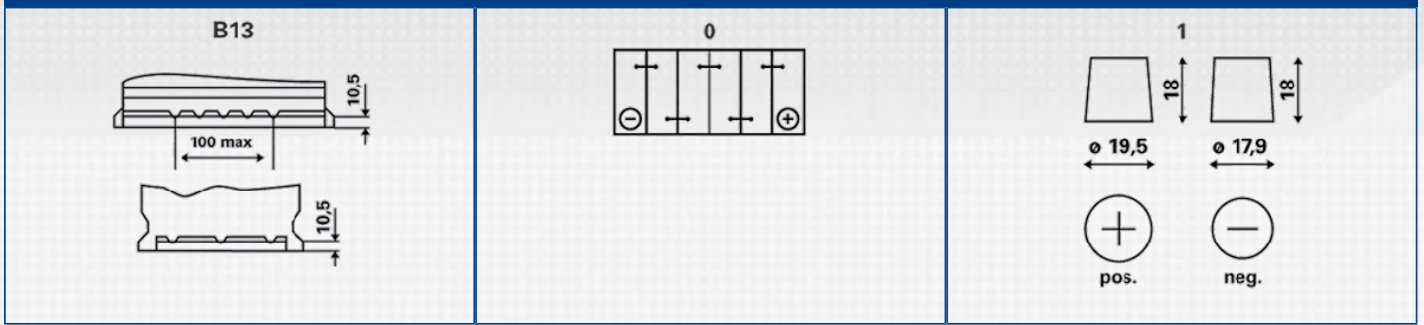
### ORDER INFORMATION

European Type No. (ETN):	545 412 040
Article Number:	545 412 040 312 2
Short Code:	B19
Barcode:	4016987119365
UK Code:	012
Packaging Unit:	1
Quantity per Pallet:	72

### TECHNICAL INFORMATION

Voltage [V]:	12	Base Hold-down:	B13
Battery Capacity [Ah]:	45	Layout:	0
Cold Cranking Amps (CCA), EN [A]:	400	Terminal Types:	1
Length [mm]:	207	Case Size:	H4/LN1
Width [mm]:	175	Weight filled (kg):	11,43
Height [mm]:	190		

## DRAWINGS



## POWERFRAME® - TECHNOLOGY



### Structurally strong

Built for strength, PowerFrame patented grid technology is up to 66% more durable and more corrosion resistant than other grid designs.

### Patterned for power

The PowerFrame grid design provides superior cranking power with up to 70% better electrical flow than other grid technologies.

### Clean construction

The PowerFrame grid design provides superior cranking power with up to 70% better electrical flow than other grid technologies.



	<i>SILVER Dynamic</i>	<i>BLUE Dynamic</i>	<i>BLACK Dynamic</i>
<b>Number of battery types</b>	11 types	25 types	13 types
<b>Primary function</b>	Engine start	Engine start	Engine start
<b>Cold cranking power</b>	CCA 122%*	CCA 110%*	CCA 100%*
<b>Battery technology</b>	Flooded/SLI*	Flooded/SLI	Flooded/SLI
<b>Positive grid/ Negative grid</b>	PowerFrame® / Expanded	PowerFrame® / Expanded	PowerFrame® / Expanded
<b>OE quality</b>	Exceeds OE requirements	Meets original equipment	Meets original equipment

\*Compared to conventional batteries