



BLACK DYNAMIC

Key benefits



Engineered to the highest German standards



Patented PowerFrame® grid for reliable starting power, fast recharge and corrosion resistance



Fulfills requirements of the OE as a matching spare part

- Made for older vehicles built before 2000

For more information visit www.varta-automotive.com

ORDER INFORMATION

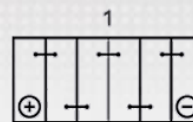
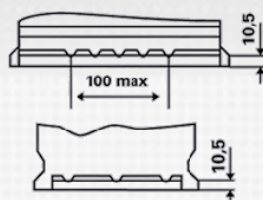
European Type No. (ETN):	545 413 040
Article Number:	545 413 040 312 2
Short Code:	B20
Barcode:	4016987119372
UK Code:	077
Packaging Unit:	1
Quantity per Pallet:	72

TECHNICAL INFORMATION

Voltage [V]:	12	Base Hold-down:	B13
Battery Capacity [Ah]:	45	Layout:	1
Cold Cranking Amps (CCA), EN [A]:	400	Terminal Types:	1
Length [mm]:	207	Case Size:	H4R/LN1R
Width [mm]:	175	Weight filled (kg):	11,43
Height [mm]:	190		

DRAWINGS

B13



POWERFRAME® - TECHNOLOGY



Structurally strong

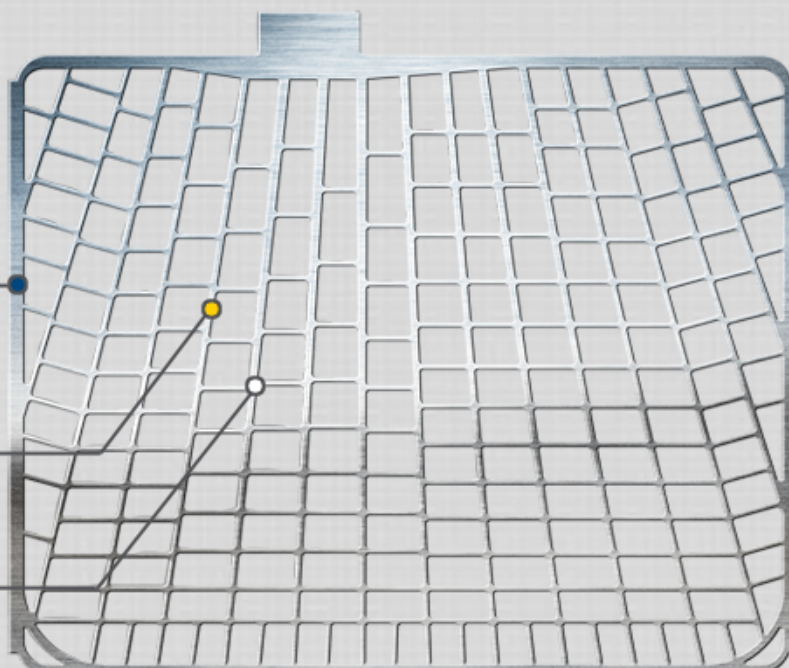
Built for strength, PowerFrame patented grid technology is up to 66% more durable and more corrosion resistant than other grid designs.

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

*Compared to conventional batteries