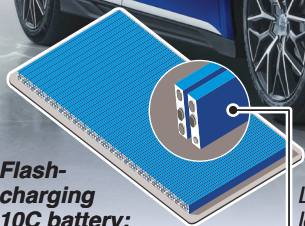
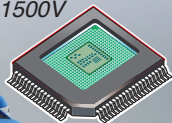


# Electric vehicle charges 400km in five minutes

Chinese carmaker BYD claims to have developed an electric vehicle platform that enables drivers to charge their EVs in the time it takes to refuel a petrol-powered car, leaving other manufacturers in their dust

**BYD Han L:** First of new Super e-Platform  
Acceleration 0-100km/h: **2.7 seconds**  
Speed: **306km/h**

**Power chip:** Silicon carbide,  
voltage rating up to  
1500V



**Flash-charging  
10C battery:**

Capable of 10 cycles/hour

**Motor:** 30,000 RPM,  
increased power density –  
greater speed, lower weight and size

Lithium-iron-phosphate “Blade” battery –  
lower internal resistance, greater thermal  
and chemical stability, longer life

## COMPARATIVE CHARGING TIMES

km/minute charge time Charge rate

BYD Model: Han L/Tang L		80km	1,000kW
Li Auto	Mega	42km	520kW
Mercedes-Benz	CLA	32km	320kW
Porsche	22.8km	Taycan	320kW
Audi	20.9km	e-tron GT	320kW
Lotus	20.1km	Emeya	350kW
Hyundai	19.3km	Ioniq 6	260kW
Kia	18.8km	EV6	260kW
Tesla	18.5km	3/Y	250kW

**Elon Musk's Tesla**  
appears  
to have lost  
first-mover  
advantage  
in EV  
technology

