

EVERY™ START ASSURED.



SHAKTI

'Zero Maintenance' Truck Battery

Your Trusted & Dependable Partner

Shakti - 'Zero Maintenance' Truck Battery

Cummins Shakti is India's only* 'Zero maintenance' Truck battery with revolutionary PLT (Pure Lead-Tin) thin plate technology that is especially suitable for applications requiring reliable starting in all weather conditions.

Q. Why is it called as 'Zero Maintenance' battery?

Ans: Shakti battery is a sealed system and "does not require any topping up" of electrolyte or specific gravity checks. There is no flowing electrolyte and hence no spillage of battery acid. There is also no corrosion or sulphation of battery terminals, thus making it a truly 100% maintenance free battery.

Q. How is Shakti battery different from other batteries?

Ans: Shakti is unique and different from any other conventional flooded type battery on following points -

- 1. Reliability** - Shakti batteries are made with PLT technology which have the "highest energy density" when compared to any other lead-acid technology. Hence 'Every Start' is assured.
- 2. Cranking Currents** - PLT or Pure Lead Tin thin plate technology uses thin plates that gives more surface area and reduced internal resistance. This results in higher cranking currents. Shakti batteries give up to "300% higher cranking currents" than conventional flooded batteries.
- 3. Maintenance free VRLA design** - Sealed system requires "No Battery topping up" or specific gravity checks.
- 4. Ready to use** - No hassles of acid filling & charging. Shakti batteries are "factory filled and charged".
- 5. High shelf life** - "Very low self discharge" provides extended storage capability while maintaining high state of charge for dependable operation.
- 6. Shock & Vibration resistant** - Shakti batteries use ABS containers that have "higher shock and vibration resistance". Ideal for rough terrain.
- 7. Warranty** - "36 months** warranty". Unmatched warranty in Commercial vehicles segment.

Q. How are 150Ah conventional flooded batteries and 80Ah Shakti battery equivalent?

Ans: Due to PLT thin plate technology used in Shakti, GRID size (plate thickness) is less than 1 mm as against a grid thickness of 4 to 5 mm in conventional battery and hence more number of plates for the same capacity leads to high cranking current. The cranking capacity is directly proportional to the surface area of active material which is two and half times to three times more for PLT thin plate Shakti battery as compared to conventional battery.

Also conductivity of the (PLT) grid alloy is 2 to 3 times higher as compared to conventional battery. This innovative state of the art of PLT thin plate technology results in 1/3rd Ah capacity of PLT battery doing the same job as compared to conventional flooded battery. Viz. The CCA of 12V 150Ah conventional battery is 830 Amperes whereas the replacement SHAKTI 12V 80 Ah battery is also having CCA of 820 Amps.

* - With Pure Lead-Tin thin plate VRLA technology
 ** - 18 months free replacement & 18 months prorata

Q. What is the range of Shakti batteries?

Ans: The available range of Shakti batteries is 12V 32Ah, 12V 50Ah, 12V 65Ah & 12V 80Ah which would be suitable for fitment into any Light, Medium or Heavy Commercial Vehicle Product.

Cummins Shakti Model	Capacity Ah	Dimensions (mm)			CCA	Approx. Wt.(Kgs)
		L	W	H		
AX1006968 Typical Equivalent Flooded Battery	32 70	163 260	142 173	225 220	500 430	12.5 17.5
AX1006969 Typical Equivalent Flooded Battery	50 99	330 505	168 182	200 257	620 610	20.0 36.0
AX1006970 Typical Equivalent Flooded Battery	65 130	330 505	168 223	200 238	720 700	25.0 41.9
AX1006971 Typical Equivalent Flooded Battery	80 150	286 508	268 222	210 257	820 830	32.0 45.0

Q. How do we select the correct Shakti model for use on our vehicle?

Ans: Shakti batteries are suitable for use on Jeeps, SUV's, Light Commercial Vehicles and Medium & Heavy Commercial vehicles like trucks and buses. The selection guideline given below will help in selecting the right model

APPLICATIONS			
Battery rating	Vehicle Type	OEM	Model
12V 32Ah	Jeep / SUV	Force Motors HM M&M TML	Matador-F305 & 307 /Traveler / TRAX /Gama/Town /Judo Trekker/Oka Armada/Commander/ Bolero / Voyager/Maxx Safari/Sumo/TataMobile/ Sierra/Estate
12V 50Ah	LCV	Ashok Leyland Force Motors Eicher HM Kirloskar-Toyota M&M Swaraj Mazda TML	Cargo 759/909/IVECO range Matador F305/ 307/ Traveler/Trax/Gama/ Town/Judo Dyna RTV Qualis Cabking./ Omnibus/ Minibus/ Tourister /Loading/ Rakshak/Ambulance 3T 407/608/709/807
12V 65Ah	HCV	Leyland	Comet / Tusker / Viking / Cheetah
12V 80Ah	HCV	Tata Motors	SD400/SA/SAK/1613TC/2516/1512TC/3516/2213/SE1613/SK/LP/LPT/LPO

Q. Where will these batteries be available?

Ans: Shakti batteries are available with all Authorised Cummins Dealers & Distributors across the country. Please contact your nearest Cummins office or the toll free number given below to find out the nearest location.

