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TVS Motors At 2010 Auto Expo



TVS is showcasing its range of vehicles including those that run on alternative energy sources at the auto expo in New Delhi. The company has also provided the organizers with eight hybrid two-wheelers and five hybrid auto-rickshaws. The hybrid version of Scooty Streak will be for use by the organizers while the hybrid version of the auto-rickshaw, TVS KING, will be available for use by visitors, to move within the premises at Pragathi Maidan. Incidentally, TVS Motor Company is the first established automobile manufacturer in India to commercially produce electric vehicles.



With the Hybrid-TVS KING, TVS Motor Company announces the arrival of the world's first mild hybrid - plug in CNG 3 wheeler. The TVS Streak Hybrid two-wheeler has a four-stroke engine and an electric hub motor as the two sources of power. This is a parallel hybrid system wherein both engine and electric vehicle modes are

available. The power sources will be in operation as per the programmed strategy or the mode selected by the user. To make the most efficient use of the energy, this hybrid system charges the battery when the brakes are applied and utilizes this power whenever required. In addition, this two-wheeler conserves energy when the vehicle is stationary at a traffic signal or at a standstill condition by stopping the power source.



The TVS Streak Hybrid has four optional modes for users to choose from :-

1. Electric Only: For short trips and zero-fuel consumption
2. Engine Only: When battery SOC is very low
3. Hybrid Electric Mode: Both sources run as per the programmed strategy
4. Hybrid Power Mode: Both engine and electric together for better acceleration



Green technologies used in these hybrid electric vehicles deliver excellent emission reduction and improved fuel economy. This achieves 30 % CO₂ emission reduction, 25% HC + NO_x reduction and 30 % improvement in fuel economy (all at IDC condition).









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