

Straight Forward!

JULY

The

KnKkarts

Newsletter

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Image courtesy: Torq3

Genesis SXe

The continuing story of how this phenomenal kart developed, further developments continue....

*"The **Genesis SXe** – a tried and tested concept".*

At the very outset 3 and a half years ago we decided to learn matters about electric karts, the decision to start at the very beginnings and basics of building the first KnK "e" kart was conventionalized and it was decided to build upon the well proven and popular Genesis SX8 platform, as a start.



Go - Green
Go - Electric



The first prototype was tested using an imported electric motor and control box from the USA, the batteries we used were VRLA batteries, which were found to be unsuitable for reason of size and weight. Power drop off and rate of discharge were also found to be unsatisfactory, especially for commercial go karting ventures.

We progressed further with a motor that was made in India with the specific purpose of testing functionality and practicality of the VRLA batteries. Though some improvements were recorded, the overall result was still not practical for the intended application.

We moved toward Lithium

batteries, which were tested with the motors we had earlier tested the Lead acid batteries on. More details on the findings and suitability / unsuitability of the Lithium experience coming up next.

Features

- Simple performance mapping system.
- Easy swap battery pack.
- Efficient battery system – next generation to Lithium Ion.
- 45 minutes run – 45 minutes charge.
- Lower cost option – model with Lithium Ion batteries.
- Advance Battery Management System ensures a longer battery life.
- Proven Genesis SX8 Chassis platform.
- Full-Floater Isolating Energy Absorbing Guardrail system
- TABOO pedal system prevents Accelerator / Brake operation simultaneously.
- Roll Bar and 4 point safety harness ensures driver security.
- Kart Remote control option available.



For more information visit: www.knkkarts.com

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