STAR INXS
SOLUTIONS PVT LTD

DRONES & UNMANNED SYSTEMS
PRODUCT BROCHURE

HEAVY-LIFT CARGO UAV

ELECTRIC X8



80–120 KG PAYLOADALL-ELECTRICHOT-SWAP POWER

80–120 KG PAYLOAD	30 MIN FLIGHT	25 KM RANGE	50 KM/H CRUISE	ENCRYPTED LINK

OVERVIEW

HEAVY-LIFT ELECTRIC CARGO UAV

An all-electric heavy-lift cargo drone that carries 80–120 kg of stores to forward posts, high-altitude positions and disaster areas, with hot-swappable batteries and an encrypted data link. Designed and built in India.

Electric X8 moves real loads where trucks struggle and helicopters are too costly: rations, water, medical kits, spares and equipment for forward posts and remote sites. Eight brushless motors on four arms lift a cargo pod slung under the centre of the airframe.

80-120 kg	8	30 min	25 km
PAYLOAD	BRUSHLESS MOTORS	FLIGHT TIME	RANGE

AT A GLANCE

80–120 KG PAYLOAD	30 MIN FLIGHT	25 KM RANGE	50 KM/H CRUISE	ENCRYPTED LINK

WHY IT STANDS OUT

01 *EIGHT MOTORS, FOUR ARMS*
High-strength frame with redundant systems.

02 *80–120 KG CARGO POD*
Slung under the centre of gravity.

03 *HOT-SWAPPABLE BATTERIES*
Two high-energy Li-ion packs for minimal downtime.

04 *ENCRYPTED DATA LINK*
GPS / GNSS navigation, RTK-ready.

FEATURES

HEAVY LIFT
80–120 kg of stores in a single sortie.

HOT-SWAP BATTERIES
Swap packs and relaunch with minimal downtime.

LOW NOISE
Electric drive with a low acoustic signature.

DAY AND NIGHT
Suited to day and night operations.

FAIL-SAFE CONTROL
Advanced flight controller with fail-safe protection and an encrypted link.

MODULAR BUILD
Quick assembly and easy field maintenance.



FORWARD-POST RESUPPLY
Rations, water, medical kits and spares to high-altitude and border posts.

TECHNICAL SPECIFICATIONS

TECH SPECS

PERFORMANCE	
Payload	80–120 kg
Flight time	30 min
Cruise speed	50 km/h
Range	25 km

AIRFRAME AND POWER	
Configuration	Electric X8 coaxial multirotor, 8 motors
Motors	8 × high-performance brushless
Battery	2 × high-energy Li-ion, hot-swappable
Frame	Carbon fibre and aerospace aluminium
Operating temperature	−10 °C to +45 °C

CONTROL	
Navigation	GPS / GNSS, RTK-ready
Communication	Encrypted data link
Take-off / landing	Automatic or manual

APPLICATIONS

FORWARD-POST RESUPPLY
Rations, water, medical kits and spares to high-altitude and border posts.

FIELD LOGISTICS
Stores and equipment between units across desert and open terrain.

DISASTER RELIEF
Food, medicine and essentials where roads are cut.

INDUSTRIAL SUPPLY
Tools, spares and equipment to remote sites.

Figures are typical values for a standard configuration and may change without notice. Dimensions marked ≈ are indicative.



WHY STAR INXS

IN-HOUSE COMPOSITES
Airframes designed, moulded and built in our own facility.

DESIGNED IN INDIA
Indigenous design and engineering in the air, under water, in simulation and on the range.

ON-BOARD INTELLIGENCE
Detection, tracking and visual navigation where GNSS fails.

TURNKEY DELIVERY
From site survey and design to installation and training.

TENDER READY
Documentation and compliance support for GeM and defence portals.

LIFECYCLE SUPPORT
Training, spares and maintenance after delivery.

FROM REQUIREMENT TO SUPPORT

01 REQUIREMENT

02 DESIGN & ENGINEERING

03 PROTOTYPE & VALIDATION

04 PRODUCTION & INTEGRATION

05 DEPLOYMENT & SUPPORT

DESIGNED, BUILT AND SUPPORTED IN INDIA

- OFFICES IN NEW DELHI AND BHOPAL
- GEM AND DEFENCE TENDERS
- CUSTOM AND OEM BUILDS
- TRAINING, SPARES AND MAINTENANCE

STAR INXS SOLUTIONS PVT LTD

Request a quote, a demonstration or the full data pack for Electric X8.

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BHOPAL	Bhopal, Madhya Pradesh
BUYING	Direct enquiry, GeM and defence tenders. We reply within one business day.

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