GREEN GRADE

Authorized CHCNAV Distributor

I83 — SURVEY ROVER SPEC SHEET

POSITIONING

RTK	8 mm + 1 ppm H / 15 mm + 1 ppm V (manufacturer rating)
RTK init	<10 s · >99.9% reliability
PPP	B2b-PPP / E6B-HAS · 100 mm H / 200 mm V
GNSS	1408 channels · iStar2.0 · GPS, GLONASS, Galileo, BeiDou, QZSS, NavIC, SBAS

SENSORS

IMU	200 Hz AUTO-IMU · calibration-free
Tilt compensation	0–60° · E-Bubble levelling · magnetically immune

CONNECTIVITY

Wireless	Wi-Fi 802.11 a/b/g/n/ac · Bluetooth 5.0 · NFC
Cellular	4G LTE
Radio	UHF 410–470 MHz Rx/Tx · 3–5 km typical, up to 15 km
Protocols	RTCM 2.x/3.x · CMR · NMEA 0183 · RINEX · NTRIP

PHYSICAL

Weight	1.15 kg
Dimensions	Ø152 × 78 mm
Rating	IP67 · MIL-STD-810H · 2 m pole drop
Battery	9,900 mAh — up to 34 h RTK rover · 16 h RTK base
Storage	8 GB internal
Operating temp	–40°C to +65°C

Manufacturer ratings from published CHCNAV datasheets. Field performance depends on site conditions, RTK corrections and installation quality. Indicative pricing on request — Sales & support: 1300 277 689.