

SB100PRO

Unmanned Surface Vehicle



Technical specifications

Performance	Maximum load	12 Kg
	Optimum work speed	1 m/s
		2 m/s max speed (3,8 knots)
	Thrusters	2 x 350 W 9 Kgf
	Propeller type	Three-bladed double impeller

Electric system	Battery type	LiFePo4
	Capacity	2X 12V 30Ah
	Work time @ 1 M/S	Up to 3,5 hours
	Charge time	Less than 2 hours

Black Box (control unit)	CPU	i5 10gen 16 Gb RAM
	OS	Windows 10 Pro
	Data (in/out)	RS 232, RS422, Ethernet, USB
	Power supply	5V, 12V & 24V

USV

Size and weight	Measurements	103 cm x 75 cm x 55 cm
	Weight (no Payload)	21 Kg
	Draft	14 cm
	Material	Fiberglass composite

Control systems	Control type	Controller with touchscreen and software
	Control modes	Manual, Auto (waypoints), Auto (survey), Fix Speed, DP1
	Control software	Custom software QGC based
	Navigation sensors	GNSS RTK, AMG IMU
	Frequency	2,4 Ghz

Environment	Operating temperature	0 a 30° C
	Storage temperature	-20 a 45° C
	Protection index	IP 65

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Technical specifications Ground Station

Positioning	System	GNSS RTK multi-constellation & multi-frequency
	RTK corrections	LoRa 868 Mhz (according to country) or NTRIP

Payload communication system	Communication type	Remote link Ground Station to USV
	Communication channels	4G/LTE or native WIFI @ 5 Ghz
	Interface	Microsoft Surface Pro
	OS	Windows 10

Environment	Operating temperature	-10 a 30° C
	Storage Temperature	-20 a 45° C
	Protection index	IP 67

Size and weight	Case type	PELI rugged case
	Measurements	47 cm x 36 cm x 18 cm
	Weight	8 kg