

apollo **AVX**



Apollo UNDERWATER SCOOTER

Apollo AVX SCOOTER THE ADVANTAGES

The new AVX Scooter from Apollo brings advanced capability and improved performance to our family of Sea Scooters that include the AV-2E, AV-2C and SVX models.

The specific features and improvements are as follows:

- A new high powered motor delivers incredible (speed) & propulsive force.
- Aluminum used in the body maximizes the cooling efficiency required when using high powered motors for long durations.
- Increased depth & pressure-resistant performance is achieved through our new aluminum body design.
- New Lithium Ion Phosphate (LiFePO4) battery technology. These batteries offer extremely high intrinsic safety, are non-explosive & extremely unlikely to ignite if over charged or a short circuit occurs.
- Environmentally non-toxic, non-contaminating with limited rare metals used. UL, CE, SGS/ROHS approved.
- LiFePO4 battery technology does not contain heavy metals and does not exhibit the "memory effect" of Nickel-Cadmium and Nickel-metal Hydride solutions

Conventional riding, (one hand operation) and saddle riding are all possible.



SPECIFICATIONS

LIST 2 AVX SCOOTER SPECIFICATIONS

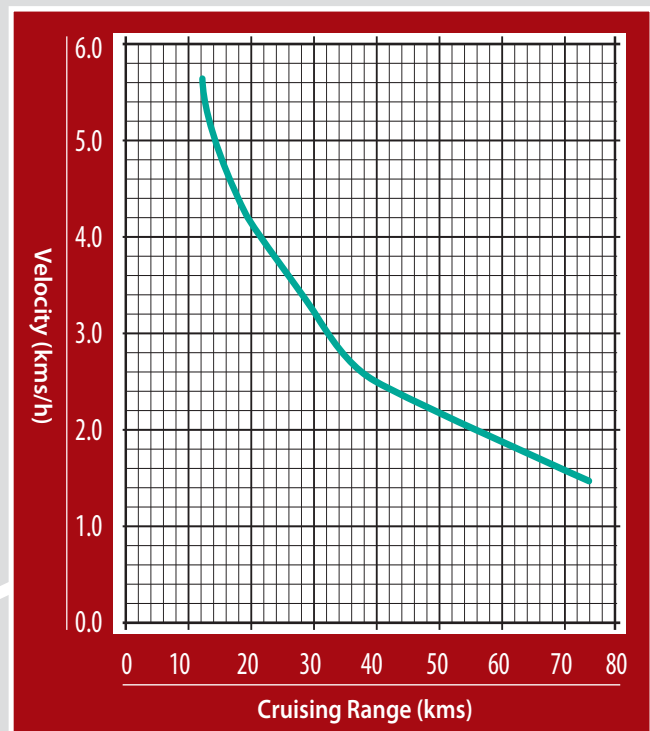
ITEM	SPEC	REMARK
Length [mm]	806	-
Width [mm]	390.5	-
Height [mm]	340	-
Weight [kg]	24.2	Including Battery
Weight [kg]	14.2	Excluding Battery
Weight Balance[g]	-750	In the fresh water
Depth Rating [m]	130~	-
Max drive range[km]	30	Running at Pitch 2, 3.0km/h Note: The range may vary according to propeller pitch, battery condition and the divers riding-style
Max run time [min]	600	Running at Pitch 2, 3.0km/h Note: The range may vary according to propeller pitch, battery condition and the divers riding-style
Speed [km/h]	0 ~ 5.2	Note: The speed may vary according to propeller pitch, battery condition and the divers riding-style
Max thrust [N]	Pitch 2 : 206 Pitch 3 : 162	Pitch setting (1) has been de-activated. • Ref : In the case of av-2, pitch 1;160N, pitch 2;135N (all is at maximum)
Speed control		• 0-100% fully adjustable acceleration system • 3 step adjustable propeller pitch system
Body material	Aluminium body	Corrosion resistant paint
Decelerator		Planetary gear decelerator
Protection devices		<ul style="list-style-type: none"> • Automatic shutoff upon water leak detection • Automatic shutoff upon internal malfunction/over current detection • Battery voltage indication • Automatic shutoff upon low battery voltage detection (VDS – Voltage Detection System)

LIST 1 MOTOR SPECIFICATIONS

ITEM	SPEC	REMARK
Motor type	Brushless DC	-
Max Power [W]	500	-
Max revolution [rpm]	5250	Propeller rotation is 1/5 with reduction gear

LIST 3. BATTERY & CHARGER SPECIFICATION

ITEM	SPEC	REMARK
Battery type	(LiFePO4)	Lithium Ion phosphate
Nominal voltage [V]	48	-
Nominal capacity[Ah]	20	-
Weight [kg]	10.0	-
Charging time [h]	5	Charge time from fully discharged



OEM - Original Equipment Manufacturer

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