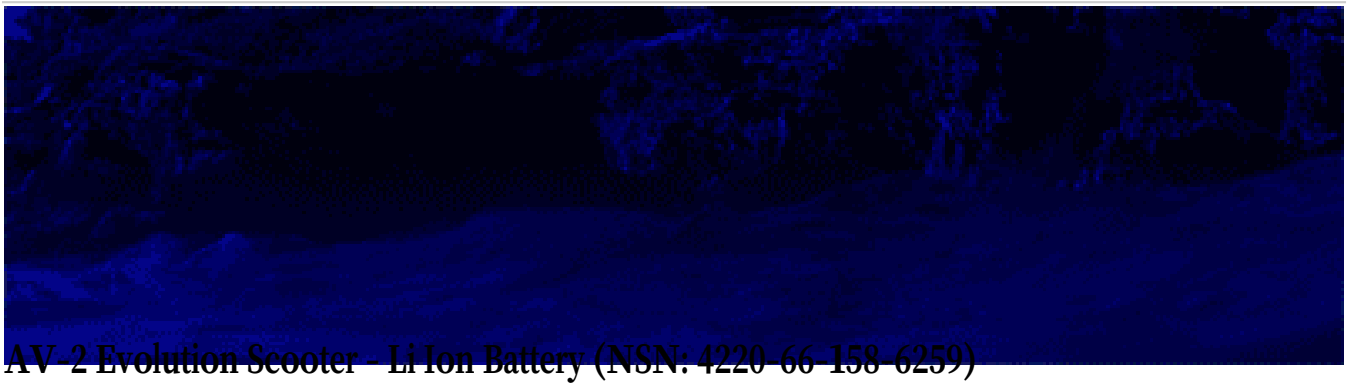
av-2 EVOLUTION VDS (NSN: 4220-66-158-6194)

Brand: Apollo

Description



AV-2 Evolution Scooter - Li Ion Battery (NSN: 4220-66-158-6259)

Control or Battery Life indicator

- Li Ion Battery 25.2V-27Ah
- Batteries are interchangeable but require different chargers
- Shock-resistant ABS resin body & DC Brushless motor
- Three speed variable pitch propeller
- Progresive acceleration system
- Standard acceleration system on/off
- Thermal switch protection automatically switches off if overheating occurs
- Approx 21.5kg on the surface / -1.3kg buoyancy underwater
- Dimensions: 720 x 340mm
- Rated to 90 meters
- Includes hand free saddle and multi-rider wings
- Includes battery and charger
- Speed: 0 - 4 km/hour
- Up to 120 minutes continuous operation in hands free riding position
- Average Cruising Range: 7200 - 8000m

NSN	Description
4220-66-158-6194	Apollo AV-2E Diver Propulsion Vehicle
	Apollo Li Ion Battery
4220-66-158-6241	Apollo AV-2 Saddle
	Apollo AV-2E Li Ion Battery Charger (New)
8145-66-158-6244	Storage Case AV-2E
5340-66-158-6252	Apollo AV-TSS Tactical Towing System Stainless Steel
2090-66-158-6253	Apollo AV-Instrument Panel
5340-66-158-6255	Apollo Single Handed Riding System
5330-66-158-6245	Apollo MAINTENANCE KIT (all items)
5331-66-158-6246	Apollo AV-2E Body O-Ring ORANGE
5331-66-158-6247	Apollo AV-2E Body O-Ring BLACK
5331-66-158-6248	Apollo AV-2E Propeller Axis O-Ring Black LARGE
5331-66-158-6249	Apollo AV-2E Propeller Axis O-Ring Black SMALL
9150-66-158-6250	Apollo AV-2E Silicon Grease
7610-66-158-6256	Apollo Vehicle AV-2 Instruction Manual
	Instruction Manuals for Li Ion Battery and Battery Charger

Care and Storage Instructions

- After use, wash in fresh water and allow to dry in a well ventilated area out of direct sunlight
- Store in a well ventilated dry area away from direct sunlight

Specifications

Hands Free Riding Style

Travel at top speed.

Coast by your dive buddies twisting and turning like a dolphin. Literally dive circles around them.

The hands free riding saddle helps you move like you were born to dive. steering is achieved through body positioning.

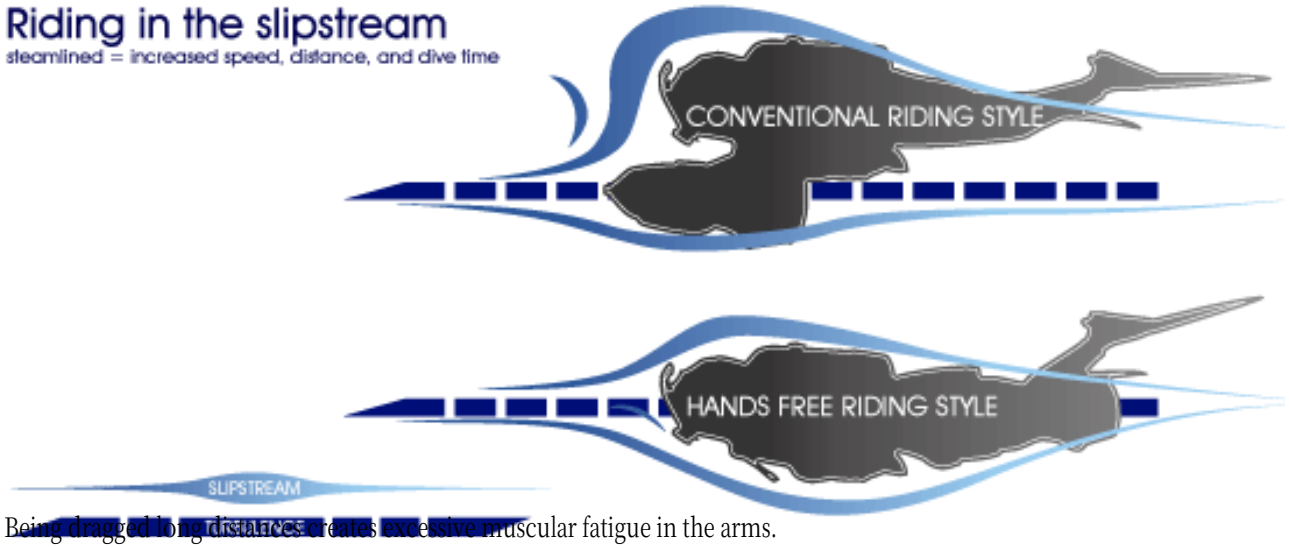
A built-in arm extends trigger switch access forward for a more convenient placement.

Both hands are free to extend like an airplane or maybe just to hold cameras, lights, and other accessories essential to your dive. More than just a fun ride.

There are many practical reasons for saddle use.

Use of an underwater vehicle in general can reduce your air consumption by up to 50%.

The saddle places you and the vehicle in a more streamlined position.



Being dragged long distances creates excessive muscular fatigue in the arms.

Furthermore, riding behind a scooter creates resistance and reduces the efficiency of the propeller blades.

Riding horizontally in front of the scooter streamlines the body and scooter, reducing drag and dramatically improving both speed and distance traveled on a single battery charge.

In addition, both hands are free for carrying lights, cameras or other underwater equipment.

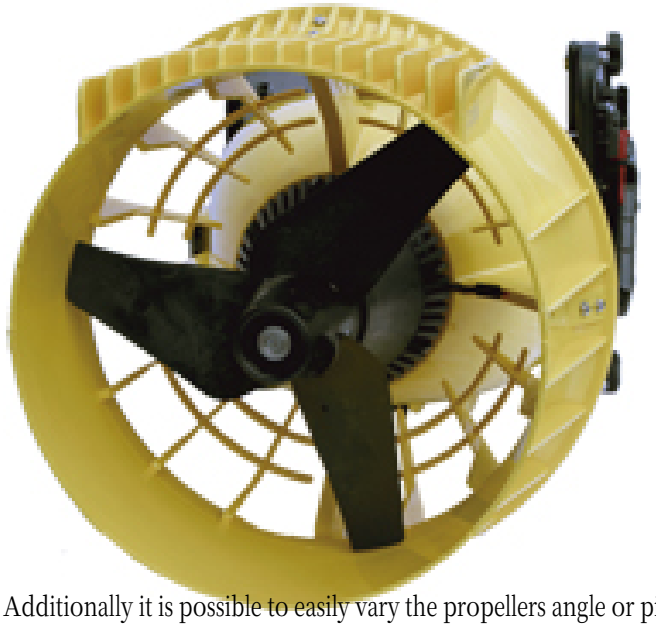
Wing

By using the Wings it's now possible to pull 2 more divers with the av-2 EVOLUTION.

The diver's different physiques when holding onto the wings have virtually no effect on the scooters performance.

The speed and distance with 3 men diving are almost the same as using the scooter solo without a saddle.

3 Speed adjustment - Propeller pitch assembly



Additionally it is possible to easily vary the propellers angle or pitch, which allows for even more fine-tuning of the scooters speed to the individual divers needs.

	ACCELERATION	TOP SPEED	CONSUMPTION
PITCH 1	●●●●●●	●●●●●● 4km/h	●●●OOO
PITCH 2	●●●●OO	●●●●●● 4km/h	●●●●OO
PITCH 3	●●OOOO	●●●●OO 3km/h	●●●●●●