



watt & sea®

## CRUISING HYDROGENERATORS

Designed in 2008 and continually improved since, the Watt&Sea hydrogenerators have radically changed energy management on board. They allow nothing less than the total autonomy of sailing boats!  
Validated on all seas around the globe, they are the most powerful, reliable and the lightest available on the market.

### BENEFITS

- 120W production (10A in 12Vcc) at 5 knots
- Very silent for everybody's comfort
- Wide range adapted to many sailboats and speeds
- Hydrodynamic design: unperceivable drag, not affecting boat speed
- Ultra light thanks to brushless alternator technology: mounting and dismounting are simplified
- Propeller behind the leg, protected from floating objects
- 2 year warranty

Used by the best sailors, in the most extreme seas of the globe, Watt&Sea hydrogenerators are recognized around the world as the most advanced and efficient!

### CRUISING 300

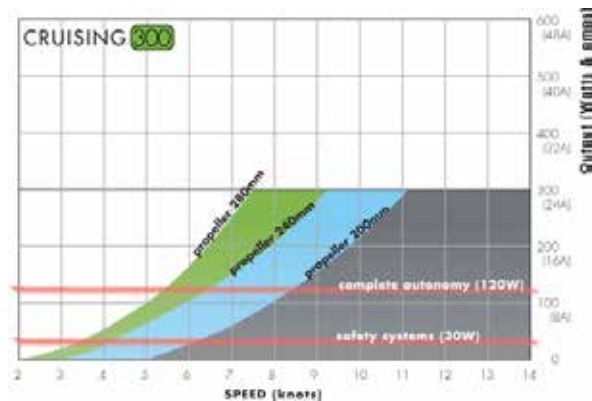
An energy output up to 300 W (24 A in 12 V) for greater comfort when sailing. Designed for boats under 35 feet that usually sail between 4 and 6 knots, with an average consumption of 8 A in 12 V.

Delivered with a 240 mm propeller (8 A at 5.2 knots), the CRUISING 300 can produce even more with the 280 mm prop (8A at 4.5 knots)

#### Available in 2 versions:

Short Leg, **Part Number: PK-610-300**

Long Leg, **Part Number: PK-970-300**



### CRUISING 600 & POD 600

Power generation up to 600 W, ideal for 35+ feet sailing boats with an average consumption around 10 A in 12 V. For full energy independence when cruising, racing or during long crossings. The output rises exponentially above 6 knots.

Delivered with a 240 mm propeller (10 A at 5.6 knots), the CRUISING 600 model can be fitted with a range of 4 propellers for all speeds from 3 to 20 knots!

#### Available in 2 versions:

Short Leg, **Part Number: PK-610-600**

Long Leg, **Part Number: PK-970-600**

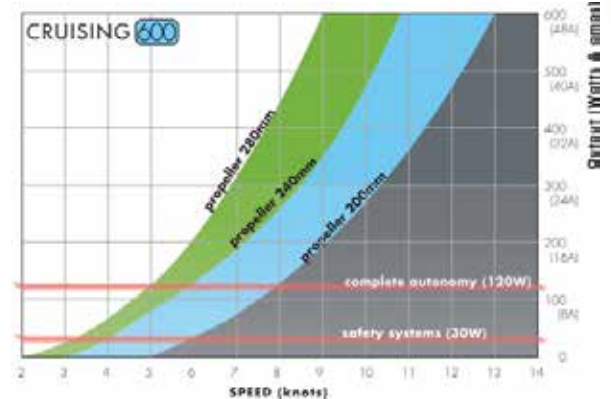
**New:** POD 600, **Part Number: PK-POD-600**





## PACK CHARACTERISTICS

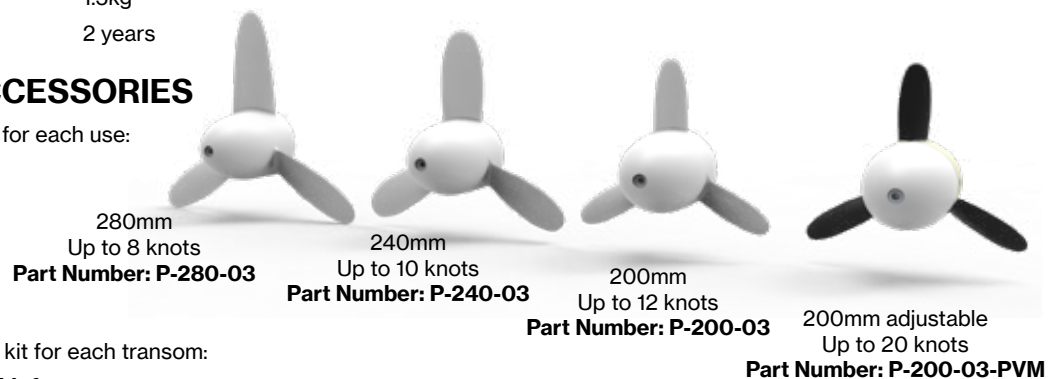
<b>Charging voltage</b>	12 or 24 V autotected
<b>Maximum using speed</b>	20 knots with the adapted propeller
<b>Leg length</b>	610mm 970mm
<b>Overall length with bracket</b>	920mm 1280mm
<b>3-phase wire length</b>	4m (13ft)
<b>Compatible batteries</b>	All incl. Lithium
<b>Pack contents</b>	1 Hydrogenerator 1 Converter 1 240mm Propeller For transom fit packs: 1 Low Friction Ring 2 Settings Forks for Transom 2 Premounted Wires 1 Bag of Connectors
<b>Hydrogenerator weight</b>	6.3kg 610mm/ 300W 7.1kg 970mm/ 300W 7.4kg 610mm/ 600W 8.2kg 970mm/ 600W 5.0kg POD 600 W
<b>Converter weight</b>	1.5kg
<b>Warranty</b>	2 years



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## OPTIONAL ACCESSORIES

The adapted propeller for each use:



The adapted mounting kit for each transom:

### Removable mounting kit for transom:

It includes: 1 U-support + 1 V-support + 2 pintles + 1 locker and its pins+ bolts. This is suitable for many types of transoms. The mounting of the hydrogenerator becomes simpler and easier. The hydrogenerator can be re-moved without any tool. It is the ideal mounting solution! **Part Number: FA-03**

### Extra U support for removable mounting kit ref FA-03:

It allows a removable mounting on both sides (port – starboard). With this kind of mounting, the short hydrogenerator is more adapted. **Part Number: U-03**

### Deluxe universal support for all transoms:

It allows a removable mounting system correcting the hull angle. Deluxe finish in polished stainless steel. **Part Number: FU-03**



Extra accessories:

**Lifting and immersion 4:1 hoist:** It includes 6m of 6mm-polyester rope with splices + 2x 40mm fiddle blocks (1 with becket) + 2x SS316 snap hooks + 2m of 5mm red polyester rope (immersion)+ 2m of 5mm blue polyester rope (lifting). **Part Number: PA-04**

**IP67 waterproof connection kit:** It includes 1 male connector + 1 female connector + 2 watertight stoppers + 10m of 3x1,5 mm2 cable. Its high quality guarantees an optimum electrical connection. **Part Number: PL-04**

**Hydrogenerator bags:** Especially designed by Outils Océans (France) for the transportation, protection and storage of your hydrogenerator. High strength material on the outside and anti-abrasion inside. Reinforced straps, drainage holes, storage pocket for spare propeller. Essential! For 610 mm leg, **Part Number: BAG-610-01** For 970 mm leg, **Part Number: BAG-970-01**

## RACING HYDROGENERATORS

Watt&Sea RACING hydrogenerators have radically changed energy management on board and have become essential pieces of equipment in offshore races. They are equipped with a controlled pitch propeller, functioning electronically with an independent system. The drag is minimal and the energy output is optimal on a speed range from 5 to 30 knots.

96% of the 2016 Vendée Globe fleet is fitted, as are Volvos VOR65 in a custom version.

### Available in two versions:

Aluminium Racing, **Part Number: PK-610-600-PV**  
Carbon Racing, **Part Number: PK-610-600-PV/CAR**



## PACK CHARACTERISTICS

<b>Charging voltage</b>	12 or 24 V autodetected	
<b>Maximum using speed</b>	30 knots	
<b>Leg length</b>	610mm	
<b>Overall length with bracket</b>	920mm	
<b>3-phase wire length</b>	4m (13ft)	
<b>Compatible batteries</b>	All incl. Lithium	
<b>Pack contents</b>	1 Hydrogenerator 1 Converter 1 Hydraulic unit Mounting accessories	
<b>Hydrogenerator weight</b>	7.7kg	carbon
	8.2kg	aluminium
<b>Converter weight</b>	1.5kg	
<b>Hydraulic pump weight</b>	1.0kg	
<b>Warranty</b>	2 years	

