

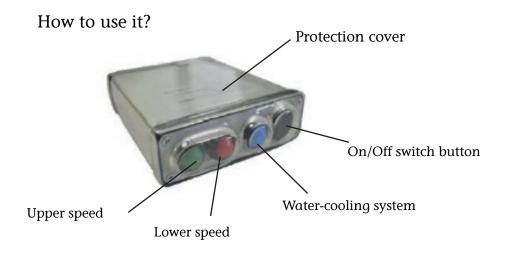
HEADQUARTERS Horse Dental Equipment Châteaubourg (35) FRANCE

Ph: +33 (0)2 99 00 71 29 www.horse-dental-equipment.com AMERICA HDE North America Ltd. Houston (TX) USA

Ph: (713) 444-2531 www.horse-dental-equipment.us HDE Evolution Motor

Operating Instructions

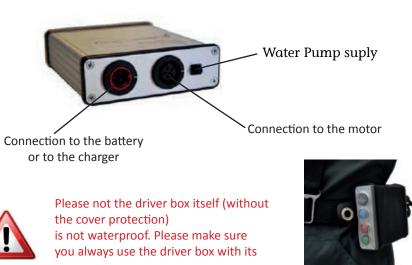
Operating Instructions HDE Evolution



On/Off switch:

- If the blue light flashes slowly(1 time/sec): normal functioning

- If flashes faster (4 times/sec): bad functioning (wrong connection)



Operating Instructions HDE Evolution

Motor –

- The moto itself is not waterproof, please do not immerge it in water
- Do not make the motor fall down, to avoid any damages

Belt



This rivet is dedicated to adjust the width of your belt & avoid that the driver box slips down the belt during the intervention (when pressing the buttons) Press hard ti X it

SETTING UP

- Check that the transmission's screw of the drive shaft fits well into the motor's slit

- Screw the drive shaft to the motor driver

- Thread the drive shaft into the extension if you use one or simply connect your hand piece to the Quickex connection of your drive shaft

- Switch on your motor with the driver box & adjust your speed (we advise working on the 3rd level). You are ready work



PRECAUTIONS



- Only use our HDE Lithium Ion battery with your HDE EVOLUTION
- Do not charge your battery more than 12 hours at once
- Partial discharge is ne so you don't have to wait until your battery is dead to recharge it
- Reload and leave your battery in a dry environnment at room temperature (18/20°)
- Your battery will last longer if you use it in an outside temperature between 10 and 20°
- Do not throw your battery in classic garbages, recycle them

Battery

Connect the green connector + wire of the driver box to the green connector of the battery.



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Always position the white mark on the wire connector straight opposite to the white mark on the battery. Do not turn the connector, just puk it slowly unplugg it.

PLEASE VISIT OUR WEBSITE FOR FURTHER DETAILS AND LIVE INSTRUCTIONS

www.horse-dental-equipment.com

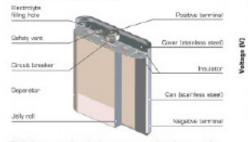
MP 144350

Battery assembly

In order to operate properly, individual Lirion cells. are mechanically and electrically integrated in battery assemblies specific to each application. The battery assembly incorporates electronics for performance. thermal and safety management.

Technology

- · Graphite-based enode
- Lithium Cabelt oxide-based cathode · Electrolyte: organic eolyente
- · Built-in redundant safety protections
- [shutdown separator, circuit breaker, eafaty vent] · Betteries essembled from MP cells feature an
- electronic protection circuit



Built-in protection devices ensure safety in case of:

- Exposure to heat
- · Exposure to direct sunight for extended periods of time
- Short circuit
- Overcharge
- Overdischarge
- When handling Soft MP batteries:
- . Do not solder directly to cell terminal · Do not disessemble
- Do not remove the protection circuit. Do not incinerate.
- Transportation and storage:
- Store in a dry place at a temperature preferably not.
- expeeding 30°C . For long-term storage, keep the battery within a
- [30 ± 15] % state of charge

Safe **Specialty Battery Group**

www.saftbatteries.com

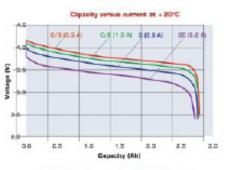
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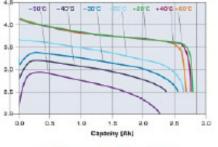
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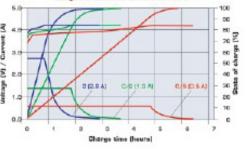
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Typical discharge profiles (0.5 A - C/5 rate)



Charge characteristics to 4.8 V at + 20°C



Battery loading





3 different levels of loading

RED: Low level of your battery **ORANGE:** Inermediate level **GREEN:** Full charge

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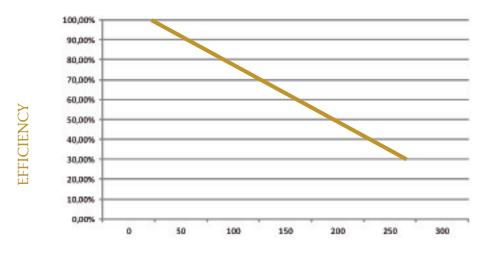
GENERAL PRECAUTION USE

- Make sure to choose an adapted box and storage case for the transport

- of you HDE evolution unit (special foarm+package) to avoid any shocks
- Do not leave your motor + battery near ammable materials
- Do not unsettle and repair the connectors by yourself

The EVOLUTION Lithium Ion baatery is guaranteed against manufacturing defects (faulty materials ans workmanship) for 12 months from the purchase date.

As the battery is a consumable, warranty doesn't cover normal use



NUMBER OF CHARGE CYCLES

On the basis of 10 horses per charge cycle when the battery is brand new, while working in an average temperature of 15°

> CONTRACTUAL TERMS CONCERNING WEAR (refer to pages 7 & 8)

Lithium-Ion Battery for EVOLUTION motor

Rechargeable lithium-ion battery MP 144350

High performance Medium Prismatic cell

Saft always supplies MP cells in accemblies or as customized battery system constructions

Benefita

- · Extended autonomy and life for mobile systems
- · A broad operating temperature renge
- Recommended for ruggedized designa
- · Easy integration into compact and light systems · Very high energy density
- (344 Wh/) and 143 Wh/kg) · Unrivalled low temperature
- performence

Key features

- Excellent charge recovery after long storage, even at high temperature
- Meintenence-free
- Non-restricted for transport/ Non-assigned to Cass 9 eccording to the UN Recommendations on the transport of dangerous goods -Model Regulations

Main applications

- Mobile appet tracking
- Small UPS
- · Soldier of the future equipment
- Portable radios.
- Bar code readers Portable payment terminal



Electrical characteristics		
Nominal voltage [0.5 A rete et 20°C]	3.75 V	
Typical capacity (ac 0.5 A 20°C 2.5 V cut-off)	2.6 Ah	
Nominal energy	9.75 Wh	
Mechanical characteristics (Slowed 100 %	charged cell)	
Thickness (Thelenees tends to increase with cycling, topically obtained after 500 oucles. Consult Se (dt beginning of We 14.6 mm)	14.9 mm സി	
Width (max)	43.9 mm	
Height (mex)	54.5 mm	
Typical weight	GB g	
Lithium equivalent content	0.78 g	
Volume	28 cm ³	
Operating conditiona		
Charge method 0	Constant Current/Constant Voltage	
Charge voltage	4.20 +/- 0.05 V	
Maximum recommended charge current**	2.5 A (Cirate)	
Chargo componature range *	= 20°C to + 60°C	
Charge time at 20°C To be	set as a function of the charge current	
	Cirete 👄 2 to 3 h	
	C/2 rate = 3 to 4 h	
	C/Sirate = 6 to 7 h	
Maximum continuous discharge current**	5.0 A (-20 nate)	
Pulse discharge current	up to 10 A [-dC rate]	
Discharge cut-off voltage	2.5 V	

* For optimized charging below D*C, 6D*C and decharging at - 5D*C, consult Saft. ** Bestronio protection aroute within bettery packs may limit the maximum charge/decharge current allowable. Corsult Soft.

Professional portable lighting

 Underwriters Laboratories Component Recognition (File Number MH 12609) (UL)