

Information sheet JuCad Powerpack

JuCad®

It's your play. The Original.

The JuCad Powerpack

All electric JuCad trolleys come with a very compact JuCad Powerpack (1.0 kg accu cells + control unit) and a small handy charger. The extra light Powerpack is safely protected inside the golf bag to guarantee its long service life. It contains a secure high-performance lithium battery with an endurance of up to 45 golf holes as well as the intelligent electronics. The JuCad charger has been especially developed for the JuCad Powerpack and must for safety reasons only be used for charging JuCad accumulators. The JuCad Powerpack can stay constantly connected with the JuCad charger. Once the JuCad Powerpack is fully charged, the charging process will stop automatically (light turns green) and the Powerpack can stay connected with the charger without any danger of overcharging.

The JuCad Powerpack is certified according to the UN transportation test BU-2013-000559-UN and complies with all legal transport and safety regulations. The test procedures are very costly and have to be redone for every type of accumulator, which influences the cost of safe high-quality batteries. Of course only renowned accumulator cells are used for JuCad products.

Travelling with the JuCad Powerpack

Already in 2003 JuCad was the first brand within the golfing industry to use lithium-ion-accumulators for their golf trolleys. These accumulators were especially developed for JuCad and were certified by the international transport authorities and the „United Nations Economic Commission for Europe (UNECE)“ acc. to the UN transportation test BU-2013-000559-UN. The hazardous goods regulations specify for which products the regulations apply, they classify the goods into various groups and lay down the test methods.

JuCad Powerpacks have been complying for 13 years with all legal transport and safety regulations!

In contradiction to a recently by another trolley manufacturer published flight accumulator „novelty“ information, it depends exclusively on the flight operator's regulations if



the transport of a specific lithium-ion-accumulator on a flight is allowed or denied. Frequent changes with regard to allowed watt-hours within these regulations have to be respected (IATA directions). Actually the regulation is 100 watt-hours max. JuCad has of course reacted long ago to these changes and is offering their customers in addition to the powerful standard JuCad Powerpack a JuCad flight Powerpack with 98,3 Wh for travels.

Important advice for the change of accumulator cells

Various vendors are offering a „cheap“ exchange of accumulator cells, partly with a misleading reference to the brand JuCad. We highly recommend to trust the exchange of the cells in your Original JuCad Powerpack exclusively to our German factory or an authorized partner indicated by us. The electronic software of every JuCad trolley and the JuCad charger are exclusively designed for Original JuCad accumulator cells and are technically harmonised with each other.

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The implementation of foreign brand accumulators can cause severe safety and software problems. Third brand cells might not be provided with the authorized protective circuit, which can cause explosions or spontaneous ignition. Furthermore their use is prohibited without a valid UN transportation test.

JuCad will not assume any liability for problems or damages caused to an electric JuCad trolley or JuCad Powerpack, which are due to the use of third party batteries or lithium-ion-cells.

With the installation of a third party battery or a third party cell exchange the legal warranty will be invalidated.

Lifespan and durability

There are many factors which might affect the lifespan of lithium-ion-accumulators. General observations are:

- > Due to its ageing process, any lithium-ion-accumulator will lose each year part of its capacity.
- > After a large amount of charging cycles an accumulator will have definitely come to the end of its lifespan.

Certain factors can reduce the capacity additionally:

- > Do not leave your JuCad Powerpack during hot summer months inside the heated car to avoid overheating.
- > During winter breaks or other long non-playing intervals it is recommended to store the JuCad Powerpack fully charged in a cool and dry place (e.g. in the basement) and to charge it fully again before resuming the game.
- > The optimal charging temperature is around 20° Celsius / 68° F.

Our service team is at your disposal for any questions with regard to accumulators and JuCad Powerpacks! We are available from Monday – Friday from 8 am – 5 pm:

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