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TOKYO OSAKA NAGOYA CHIBA SAITAMA MACHIDA KOBE HIROSHIMA SENDAI TAKAMATSU SHIZUOKA MIE

To : Honorable Hatsuyuki Distributors

RE : BATTERY FOR MODEL HC8EDC DC 12V CUBE ICE SHAVER

We could achieve satisfactory success in selling Chubu's DC 12V cube ice shaver model HC8EDC internationally since our start of production this year.

However, we would like to give information about the battery for model HC8EDC and expect your further support in sales of model HC8EDC.

The electric specifications of Model HC8EDC are : DC 12V 16A 190W.
 (Electric Consumption)

The model needs roughly 8 seconds for one serving or cup. A busy seller of shaved ice can sell at most 300 cups a day. It means shaving time a day is 2,400 seconds or 40 minutes.

(Battery and Charger)

Please prepare a "deep cycle" battery. This type of batteries can last long for an hour or more without charging. Please purchase a battery with a larger capacity so that it can be used longer.

When you look for a "deep cycle" battery on a catalog of batteries, you will find nominal capacity such as 40AH, 80AH, etc. It means ampere times hours. HC8EDC is 16A. If you purchase a 40AH battery, you can use 2.5 hours (40AH divided by 16A). In re-charging every day, you are recommended to prepare 40AH or larger capacity. When energy is used up from the battery, the battery will be exhausted in a shorter period.

There are two type of batteries :

- A) Sealed and liquid does not leak even laid down but expensive. It can be charged only at most 50 to 100 times.
- B) Non-seal. Liquid leaks when it is laid down. Less expensive but can be charge many times like hundreds. Toxic gas discharges so please take care of circulation or use a pipe to let gas out.

Please check the features and characteristics to your requirement.

For reference, we introduce some brands of batteries available internationally.

- OPTIMA Batteries ; Perfectly sealed. Yellow top series can be charged roughly 100 times. Red tope series 50 times.
- ACDelco Voyager series ; This can be charged 400 times. But toxic gas discharges and liquid leaks when it lies down.

There are many other brands of good batteries available such as Yuasa. Please consult with an experienced staff at a nearby battery shop or check through the Internet referring "deep cycle" battery.

Also please purchase a suitable charger to the battery. It needs about 12 hours for charging the battery for recovery. You can use the battery for shaving daytime and charge it from evening to the next morning.

Model HC8EDC is an ideal outdoor ice shaver with a 12V DC input.

Please prepare batteries of your desired specifications and a charger for your HC8EDC.

Thank you very much.

Best regards,

Mutsumi (Matt) Hirai

Mutsumi (Matt) Hirai
 Manager, Overseas Dept.