## Powering.Smart Devices

Enercera
Rechargeable Li-ion Batteries
NGK ofiters safe, rellable and efilicient batiery solutions optimised for smart devices

## EnerCerá Pouch

Ultra thin and bendable pouch type cell (thickness: 0.45 mm )

- Can be embedded in IC card by hot lamination process
Large current output (several 100mA)


## EnerCerá Coin

- Heat resistant coin type cell (Operating temperature up to $105^{\circ} \mathrm{C}$ )
- Can be mounted on board by Reflow Soldering
- Large current output (several 10mA)


## (c Future world enabled by EnerCera battery ))

With EnerCera battery, you can achieve maintenance-free IoT device and reduce the needs for battery replacement, saving you time and cost.

Try it today and create new value with EnerCera battery!


## EnerCerå Lineup

Model Number
Appearance
A
※ 1 Current with which nominal capacity can be used. ※2 Voltage drop is less than 0.5 V with continuous discharge for 0.1 sec . (at $25^{\circ} \mathrm{C}$ ) $※ 3$ Compatible with hot lamination for IC card manufacturing. ※ 4 Can be charged from $0 \%$ to $80 \%$ capacity in 14 min . $※ 5$ From $-40^{\circ} \mathrm{C}$ to $105^{\circ} \mathrm{C}$ for RTC backup applications. $※ 6$ Recommended conditions Max. $240^{\circ} \mathrm{C} \times 1$ time Please contact us for details.
IEC62133 certified. Contents may be changed without notice.

"I would like to use IoT devices that can be installed easily and useful in daily life..."


## For logistics society

Labor shortages, small quantity and frequent delivers and growing needs for high quality logistics.

"I would like to consider
high-efficient logistics tags for saving labor..


## For manufacturing

Growing needs for predictive detection of equipment failures.

"I would like to utilize sophisticated devices.."


## The solution enabled by EnerCera battery

f Ultra-thin and lightweight for a good fit f Ideal safe battery for wearable devices
i Telemedicine by wireless
monitoring and communication

- Can be attached to curved surface - Available for cold chains at $-40^{\circ} \mathrm{C}$
: Achieve maintenance-free IoT devices by wireless power transfer, etc.
t Can install small/thin maintenance-free devices everywhere without wiring
- EnerCera Coin can be used up to $105^{\circ} \mathrm{C}$

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[^0]:    Sales Department
    Electronic Devices Division
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