



Wireless Power ICs
S-847x Series



EnerCera[®]
Rechargeable Li-ion Batteries



Battery Peripheral ICs and EnerCera Collaboration



ABLIC wireless power ICs × NGK EnerCera contactless and simple charging system

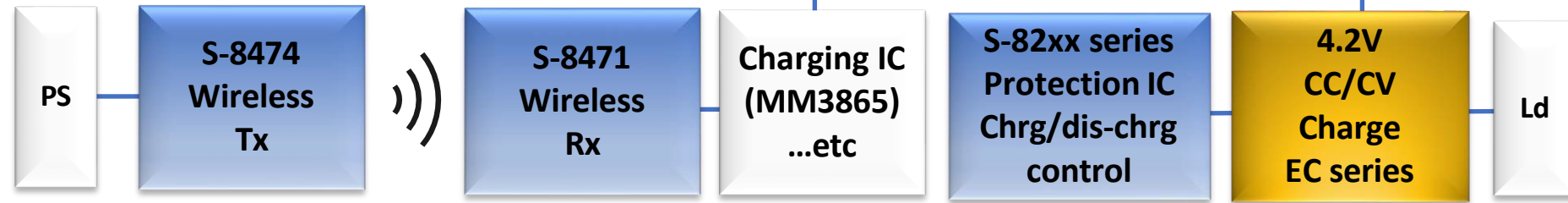
Ideal for wireless charging of small modules!

- **No need** to comply with Qi standard!
- **Directly monitor** IC pins!
- **Compact coils** for wearables
- **Convenient** power supply status display function
- Safe! **High temperature protection** function
- **High heat resistance** and **long life** semi-solid-battery
- **Bending-resistant, EnerCera**

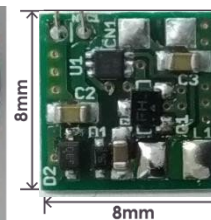
Example of embedding EnerCera:

- Wearable and IoT devices
Watch bells, electronic tags, etc.
- Beauty appliances
Shavers, facial equipment, etc.
- **Waterproof**
Charging through glass,
Water tanks, cases...etc.

4.2V EC series Charging block diagram



power-supply circuit



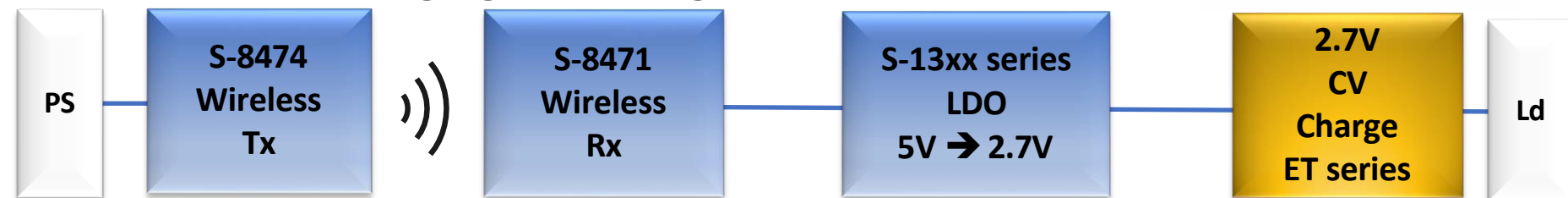
power receiving circuit

rechargeable battery



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2.7V ET series Charging block diagram



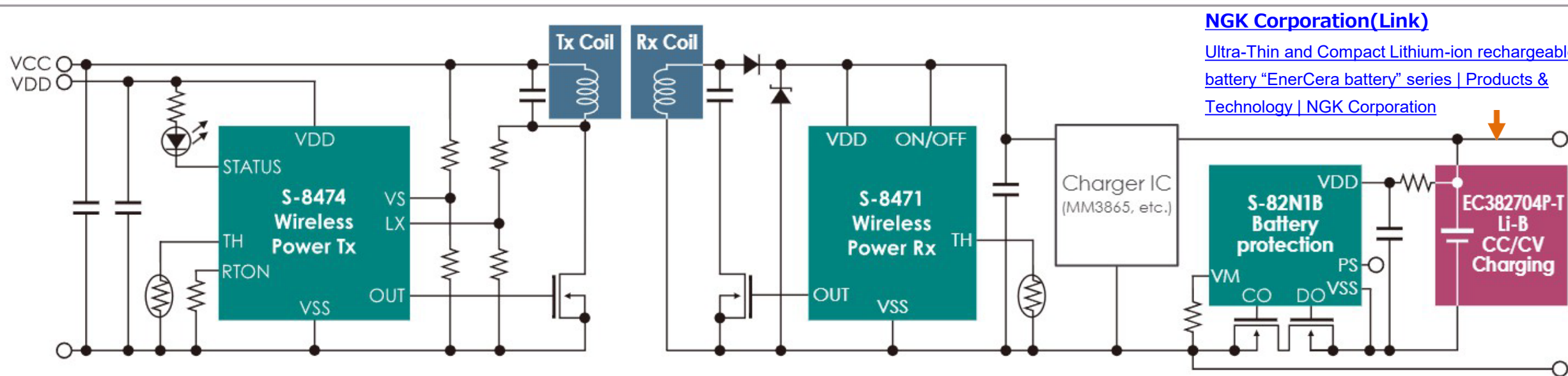
Non-contact charging with no contact points, safe for charging near wet area! No MCU required, contributes to a thinner, wireless charging solution!

Specific applications (4.2V system)

[Power supply: S-8474, Power receiving: S-8471 + Charge IC (4.2V) + Lithium-ion battery (EnerCera)
+ Lithium-ion battery protection IC]

● 4.2V CC/CV Charging System

Charging Circuit Diagram



Search Here!

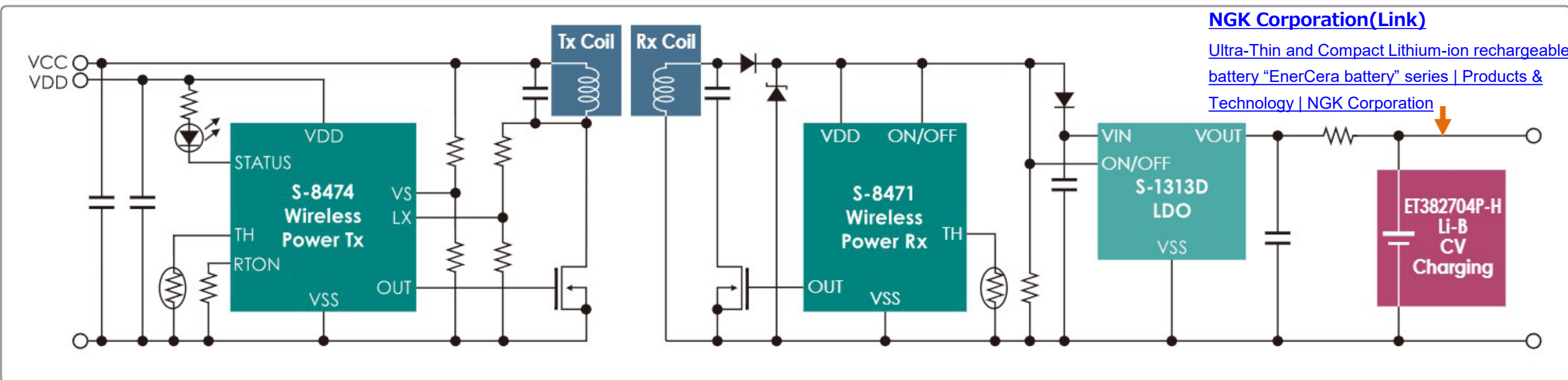


Specific applications (2.7V system)

[Power supply: S-8474, Power receiving: S-8471 + LDO (constant voltage 2.7V) + Lithium-ion battery (EnerCera)]

● 2.7V CV Charging System

Charging Circuit Diagram



Search Here!

