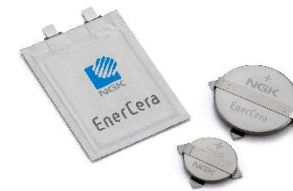




Wireless Power ICs
S-847x Series



EnerCera[®]
Rechargeable Li-ion Batteries



Battery Peripheral ICs and EnerCera Collaboration

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

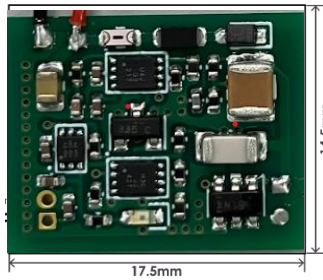
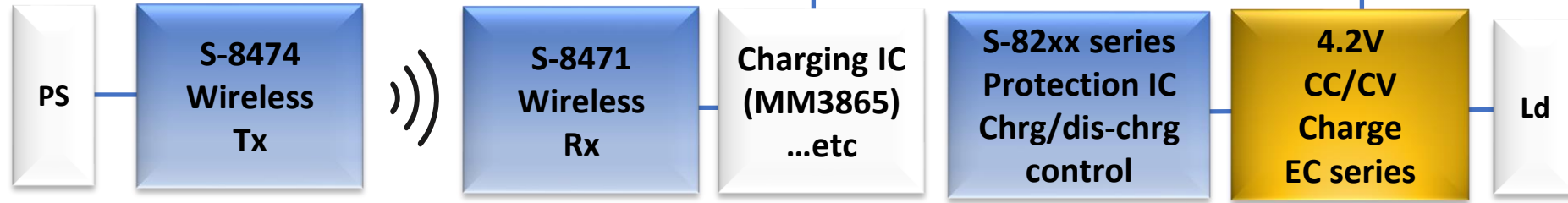
Ideal for wireless charging of small modules!

- 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

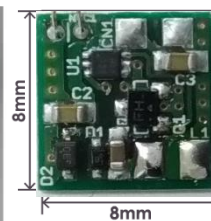
Example of embedding EnerCera:

- 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



EnerCera
Rechargeable Li-ion Batteries

2.7V ET series Charging block diagram



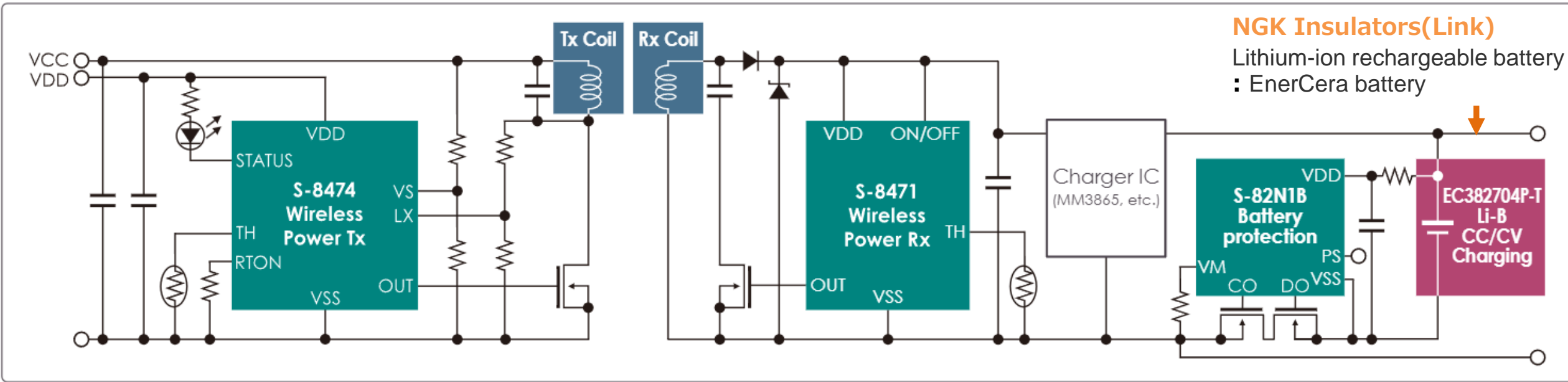
Non-contact charging with no contact points, safe for charging near wet area! No MCU required, contributes to a thinner, wireless charging solution!

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



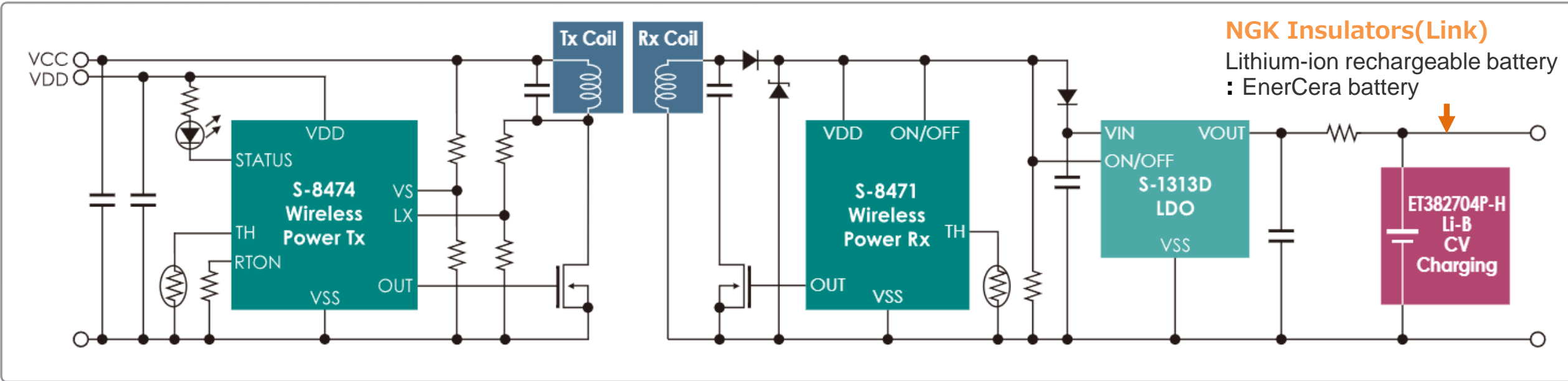
Search Here!



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!

