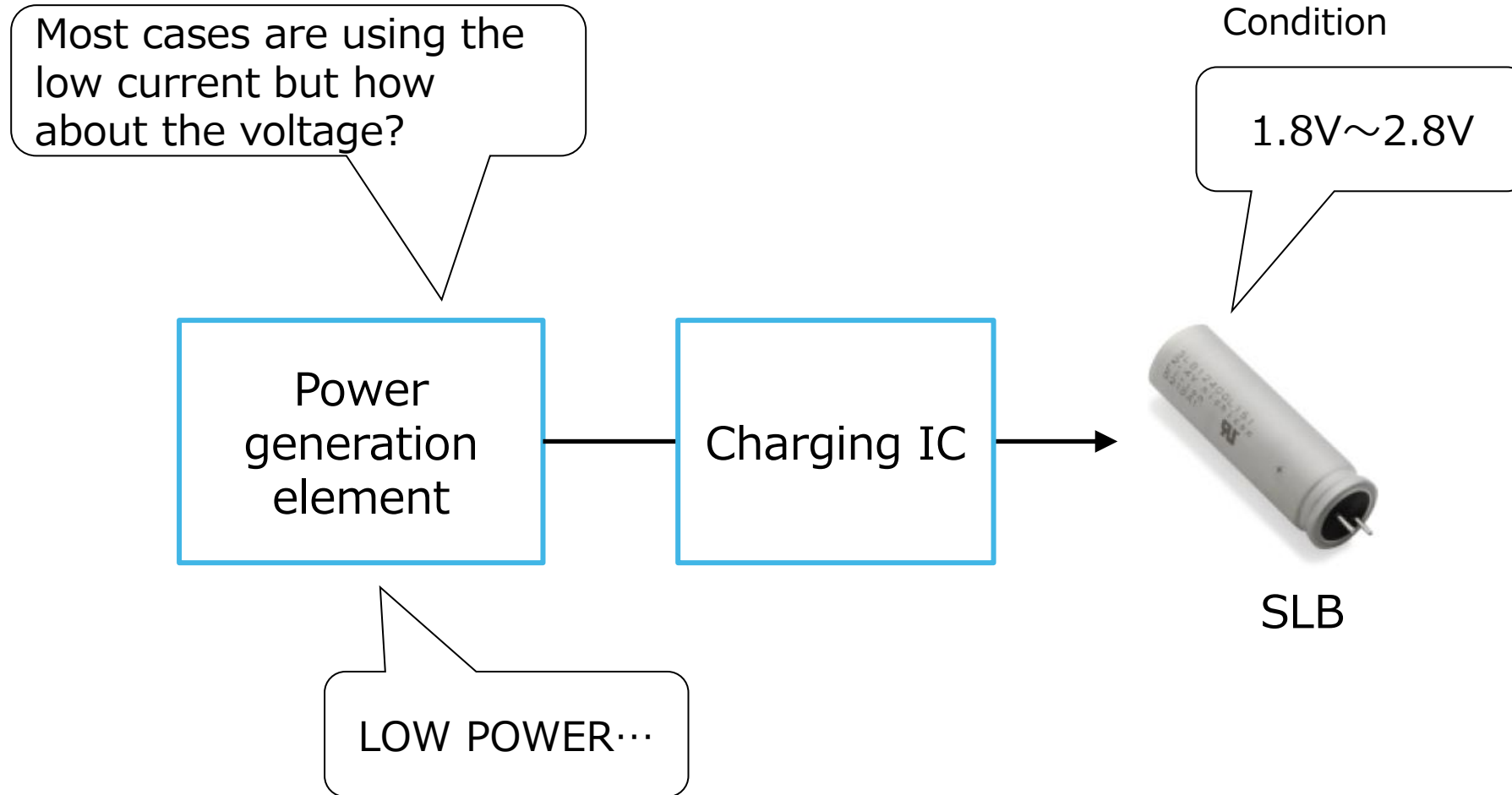


LTC4079 Linear Charger

[LTC4079 Datasheet and Product Info | Analog Devices](#)

The issue at charging



Solution

① The generated voltage is high

Piezoelectric element



Charging IC Requirement

- ▶ Wide Vin range (No waste energy)
- ▶ Low quiescent current (Low operating current)
- ▶ Small footprint (Easy placement)

Charging IC



SLB

② Accumulated energy - $\frac{1}{2} CV^2$
*Voltage doubles up the energy

③ Voltage clamp
↓
Waste energy

LTC4079 Linear Charger

