BRCL3120CZV

Rev.A Feb.-2026

Ω/Parameter /Symbol

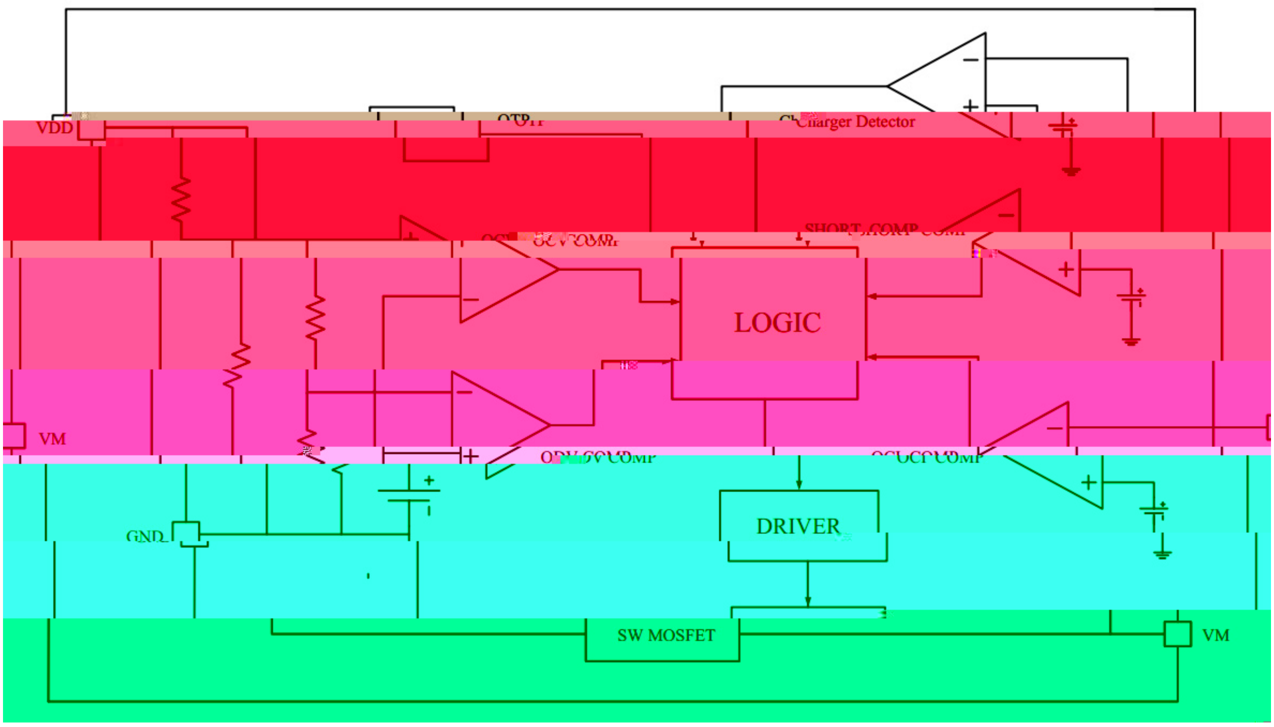
/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Over temperature protection						
Over-temperature protection	OTP			145		
Over-temperature protection release temperature	OTPR			120		
Detection delay						
Overcharge Voltage Detection Delay Time	T_{OCV}			100		ms
Overdischarge Voltage Detection Delay Time	T_{ODV}			100		ms
Overdischarge Current1 Detection Delay Time	T_{IOV1}			8		ms
Overdischarge Current2 Detection Delay Time	T_{IOV2}			2		ms
Load Short-Circuiting Detection Delay Time	T_{SHORT}			150		μs

* (OTP) OTPR

* .

/ Functionl Block Diagram



/ Charger Detection

Ę ص ڈ ↑ ڑ ï ⌧ ɔ – ɔ ˘ ف ⅵ VP ⅂ ŭ ɔ ṇ ⅂ ɔ ₅ ⅃ ɔ +V_{FKD}, Ę ɔ – ɔ ⅂ ص ڈ ₅ ⅃ ɔ +V_{RGV}, EUF06453FZV ؛ ص ڈ ɔ ↑ ڑ

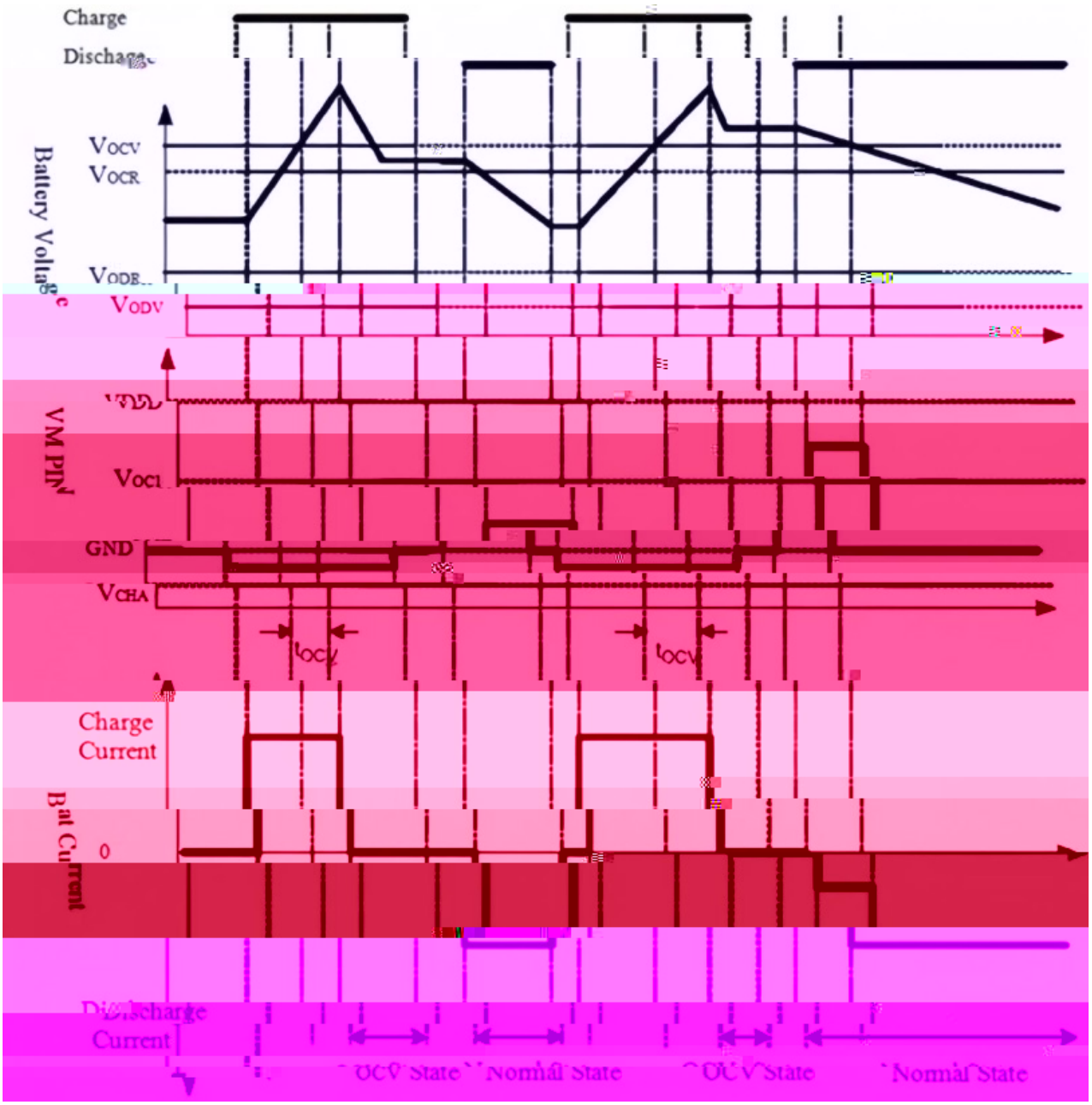
0V / 0V Battery Charging Function

3V ɔ ɔ – ɔ Ḥ 516V ɔ ط ⅁ ف ˆ ↑ ڑ %`H P RV Ă Ȁ ط ⅁ ص ڼ ⅃ ⅂ ɔ

ɔ – ɔ Ḥ 516V ɔ ɔ ⅃ j ĭ 533 p D ɔ – ط ⅁ ¨Ω

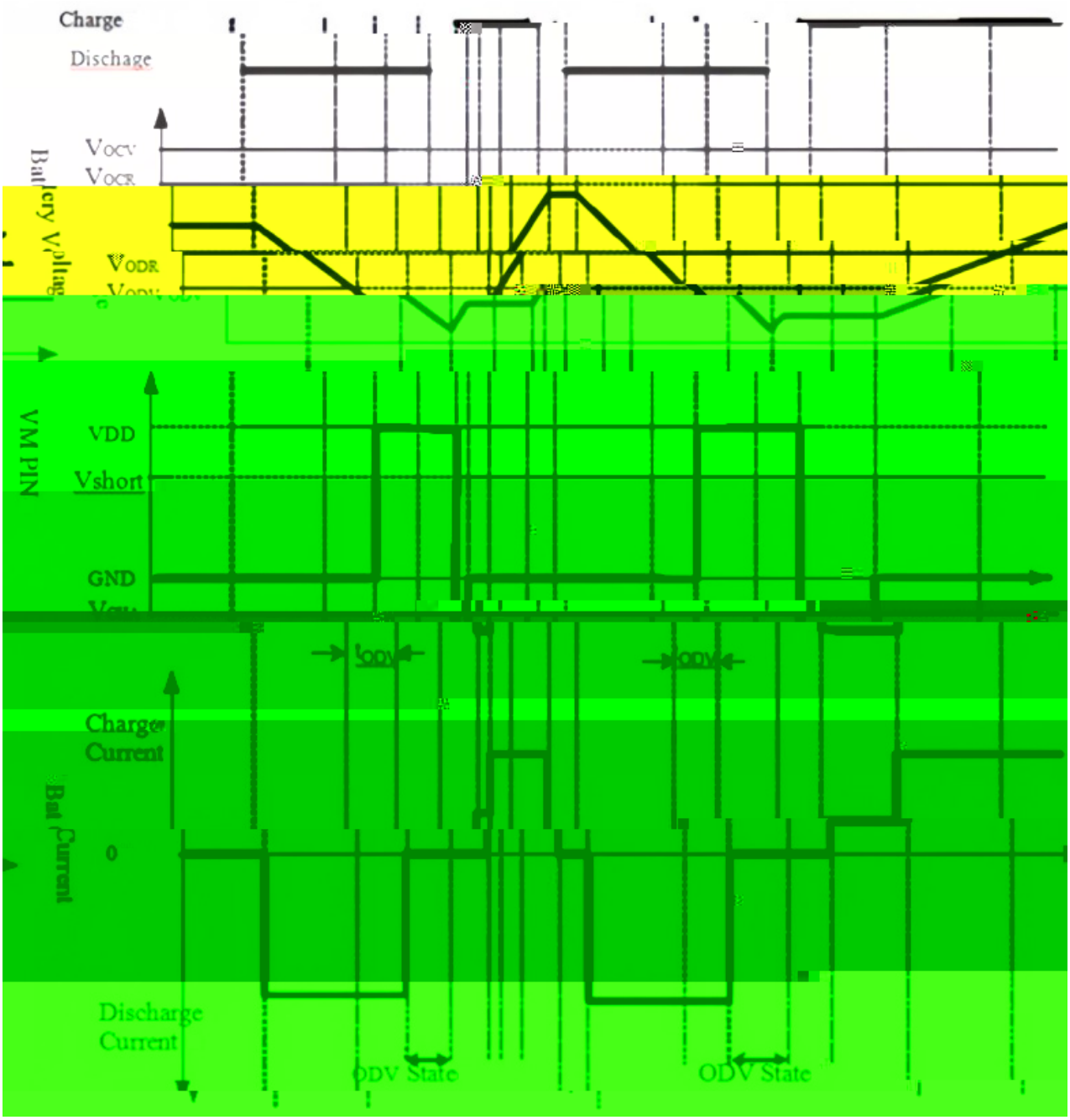
/ Timing Chart

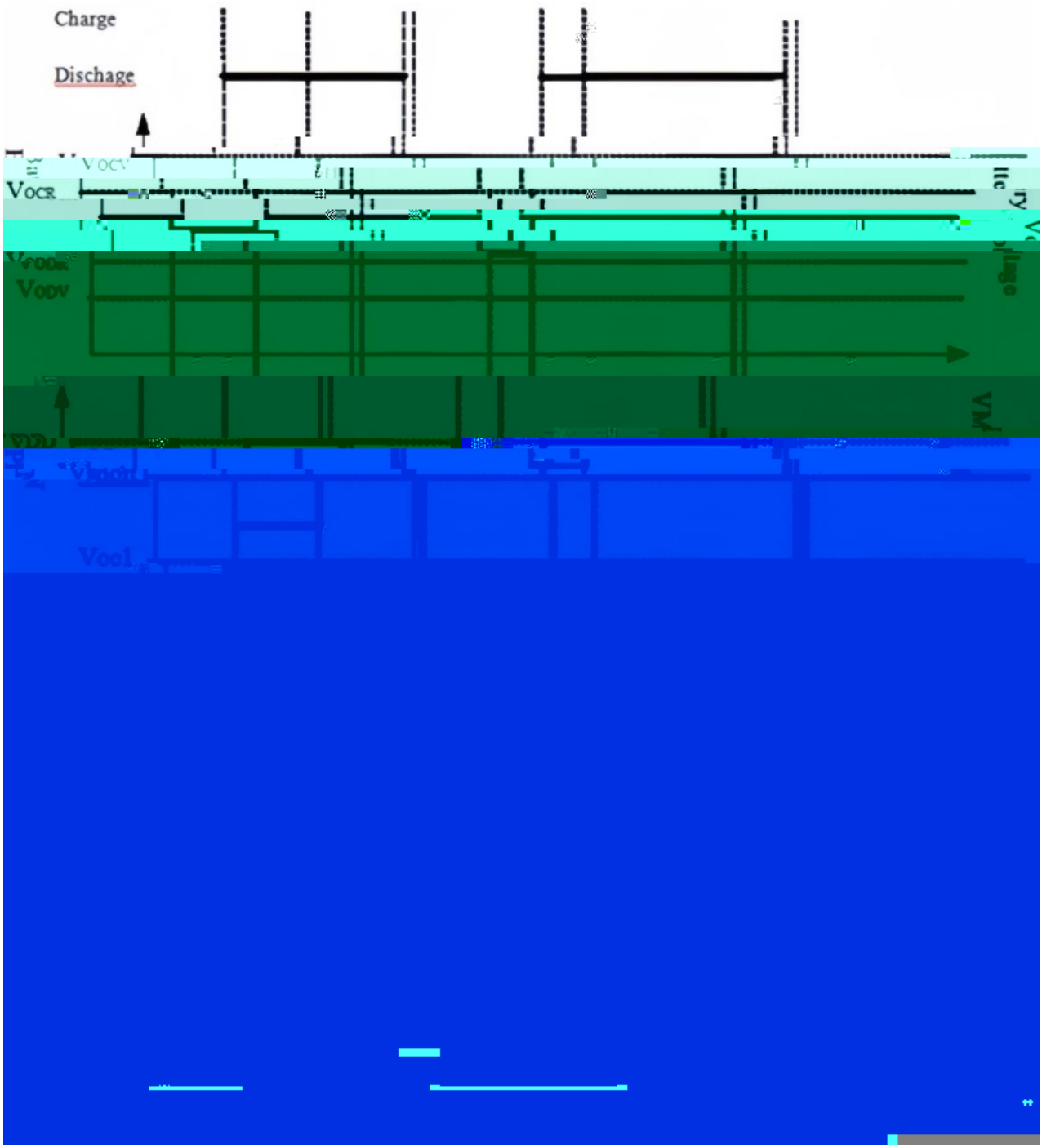
→ → **/ Overcharge → Discharge → Normal Operation.**



/ Timing Chart

→ → **/ Overdischarge → Charging → Normal Operation.**



/ Timing Chart

→ **/ Discharge Overcurrent → Normal Operation.**