

BRCL3120CZV

Rev.A Feb.-2026

/Parameter

/Symbol

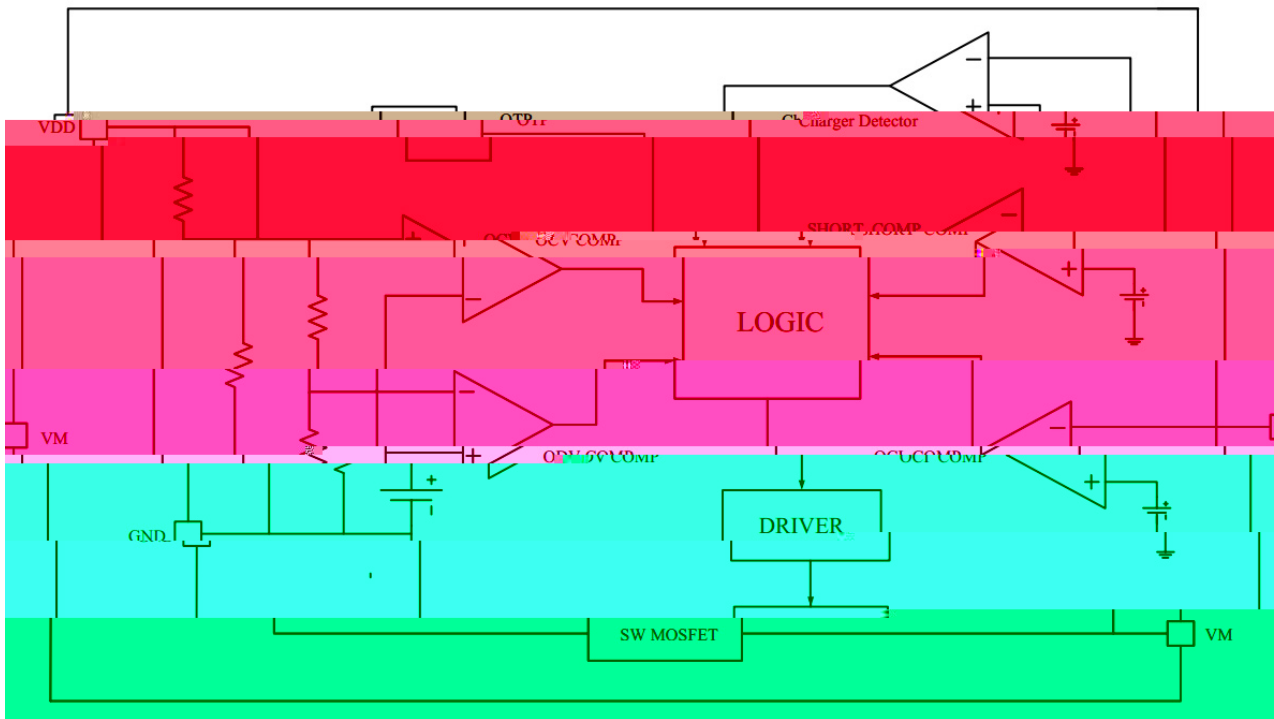
/ Electrical Characteristics(Ta=25)

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

*

/ FunctionI Block Diagram



BRCL3120CZV
Rev.A Feb.-2026

/ Charger Detection

VD

$\bar{V}_F; \bar{V}_Z$

$\bar{V}_F; \bar{V}_Z$ 91 : C* () ' : ZV

OV / 0V Battery Charging Function

' V

) %V

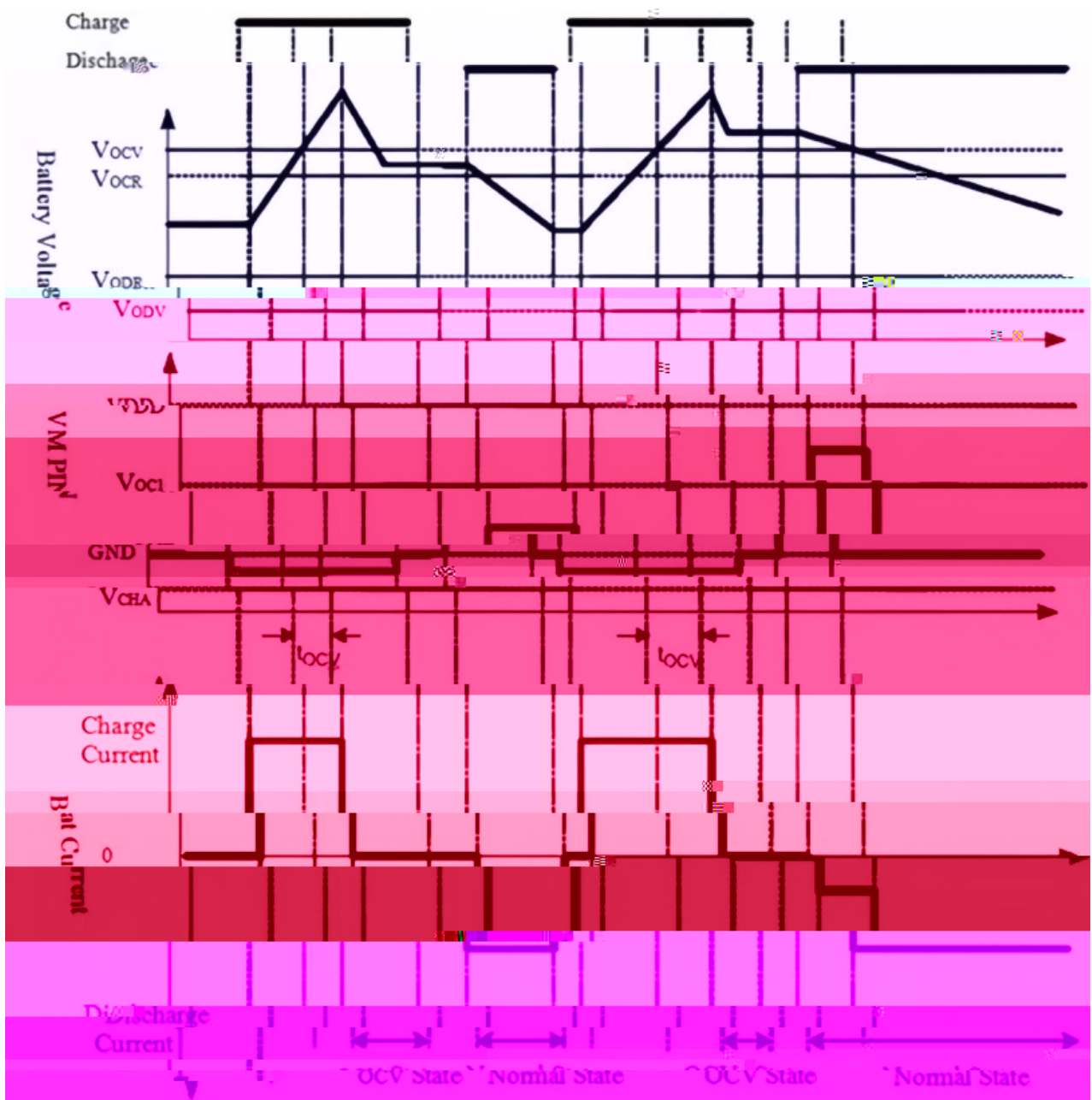
D F J

) %V

) ' ' d 8

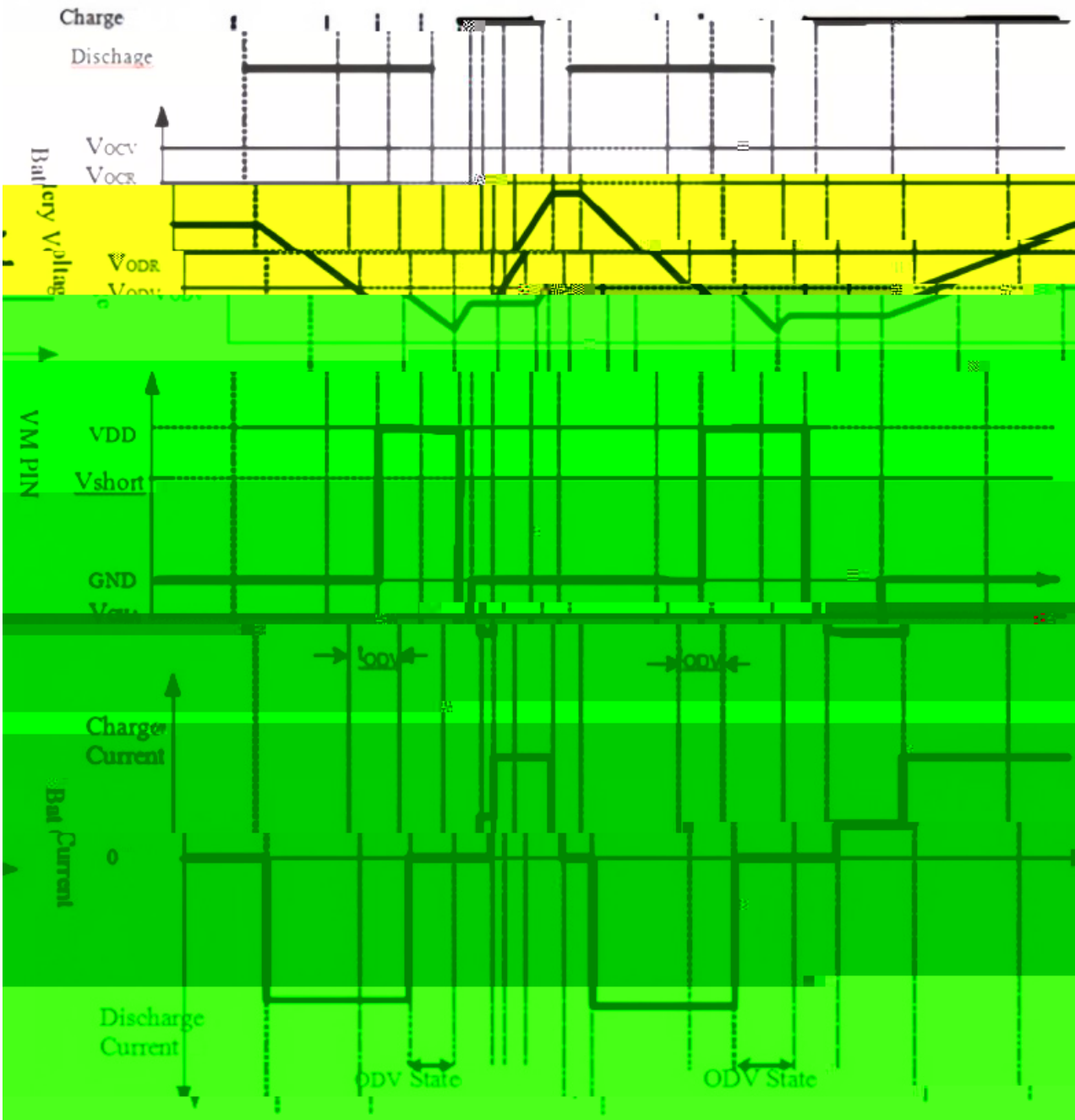
/ Timing Chart

/ Overcharge Discharge Normal Operation.



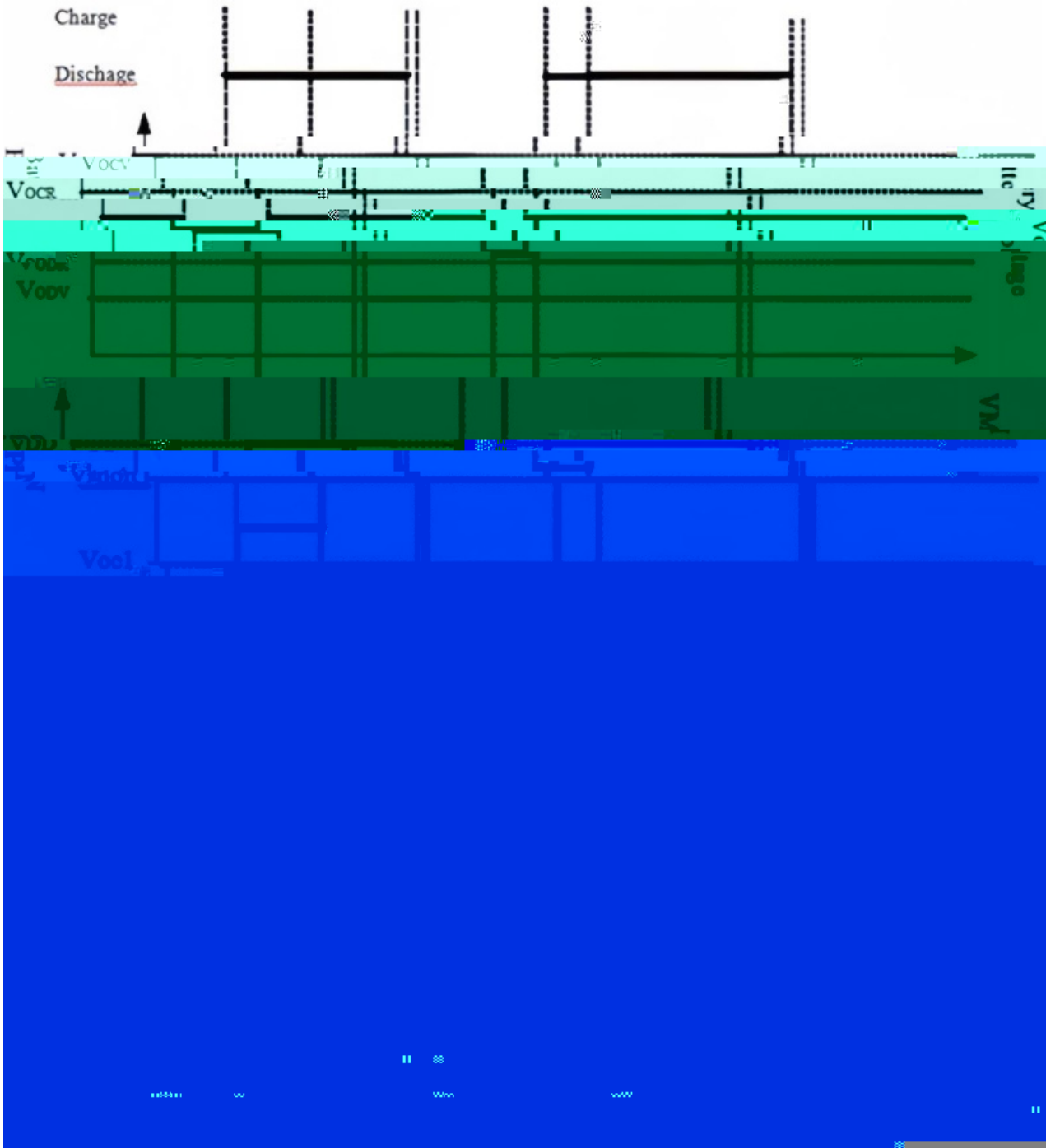
/ Timing Chart

/ Overdischarge Charging Normal Operation.



/ Timing Chart

/ Discharge Overcurrent Normal Operation.



BRCL3120CZV

Rev.A Feb.-2026

DATA SHEET

BRCL3120CZV

Rev.A Feb.-2026

DATA SHEET