Betection condition  Exterior short circuit Detection delay time 200-800us Release condition Cut load,Auto Recove Protection circuitry SomΩ  Operating Temperature Range Temperature  Operating Temperature Range Temperature Range Storage Temperature Range  □ 40 ~ +85°C Storage Temperature Range □ -40 ~ +125°C  □ 以上参数測试温度为25°C,若温度不在25°C则会有一定偏差。 □ B+ = 电池+ B- = 电池-	No. Test Item Criterion  1 Voltage Charging voltage DC4.2V CC/CV Balance voltage for single cell  Current Salance current for single cell  Current consumption for single cell  Asximal continuous charging current 2.5A  Maximal continuous Discharging current 2.5A  Over charge Protection Over charge detection voltage 4.30±0.05V  Over charge detection voltage 4.1±0.05V  Over discharge protection Over charge detection voltage 4.1±0.05V  Over discharge detection voltage 4.1±0.05V  Over discharge detection voltage 2.4±0.1V  Over discharge release voltage 1.0±0.00mS  Over discharge release voltage 3.0±0.1V  Over discharge release voltage 3.0±0.1V  Over current protection Detection delay time 1.0±0.00mS  Over current detection current 5±1A  Selease condition Cut load, Auto Recove Release condition Exterior short circuit Detection delay time 2.00±800us Release condition Cut load, Auto Recove Protection circuitry 500±800us Release condition Cut load, Auto Recove Protection circuitry 500±800us Release condition Cut load, Auto Recove Storage Temperature Range 4.40±485°C  Detection delay time 5.00±800us Cut load, Auto Recove Storage Temperature Range 4.40±485°C  Detection circuitry 5.00±800us Storage Temperature Range 4.40±485°C  Detection circuitry 5.00±800us Storage Temperature Range 4.40±485°C  Detection circuitry 5.00±800us Storage Temperature Range 4.40±485°C  Detection delay time 5.00±800us Storage Temperature Range 4.40±485°C  Detection circuitry 5.00±800us Storage Temperature Range 4.40±485°C  Detection delay time 5.00±800us Storage Temperature Range 4.40±485°C  Detection delay time 6.00±800us Storage Temperature Range 7.40±485°C  Detection delay time 7.40±485°C  Detection delay time 7.40±485°C  Detection delay time 7.40±85°C	No. Test Item Criterion  1 Voltage Charging voltage DC4.2V CC/CV Balance voltage for single cell    Current Consumption for single cell   S10µA	Voltage   Charging voltage   DC4.2V CC/CV		Protection Circuit	Module Specifications For 3.7V(1S) Li-ion	Battery Pack
Voltage   Charging voltage   Balance voltage for single cell   S10μA	Voltage   Charging voltage   Balance voltage for single cell   S10μA	Voltage   Charging voltage   Balance voltage for single cell   S10μA	Voltage   Charging voltage   Balance voltage for single cell   S10μA		_	Model: BAC130	
Balance voltage for single cell Balance voltage for single cell Current Current  Current for single cell S10μA  Aximal continuous charging current Dever charge Protection  Over charge detection voltage  Over charge detection voltage  Over discharge release vol	Balance voltage for single cell  Balance voltage for single cell  Current  Current for single cell  Current consumption for single cell  Aximal continuous charging current  2.5A  Maximal continuous Discharging current  2.5A  Over charge Protection  Over charge detection voltage  4.30±0.05V  Over charge elease voltage  4.1±0.05V  Over discharge release voltage  4.1±0.05V  Over discharge detection delay time  Over discharge elease voltage  2.40±0.1V  Over discharge release voltage  3.0±0.1V  Over discharge release voltage  3.0±0.1V  Over current protection  Detection delay time  Fins—60ms  Release condition  Cut load, Auto Recover  Temperature  Operating Temperature Range  40 ~ +85°C  VL参数测试温度为25℃,若温度不在25℃则会有一定偏差。  B+ =电池+  B- =电池-  P+ =输出+/充电  P+ =输出+/充电  P+ =输出+/充电  P- =输出-/充电-	Balance voltage for single cell Balance current for single cell Current Current Current for single cell S10μA  Aximal continuous charging current Detection delay time Cover charge protection  Over discharge protection  Over discharge etlection voltage  Over discharge protection  Over discharge detection voltage  Over discharge protection  Over discharge detection delay time Over discharge protection  Over discharge detection delay time Over discharge protection  Over discharge detection delay time Over discharge release voltage Over discharge releas	Balance voltage for single cell Balance voltage for single cell Current  Current  Current for single cell  Current consumption for single cell  Aximal continuous charging current  2.5A  Maximal continuous Discharging current  2.5A  Over charge Protection  Over charge detection voltage  4.30±0.05V  Over charge detection voltage  4.1±0.05V  Over discharge detection voltage  4.1±0.05V  Over discharge detection voltage  4.1±0.05V  Over discharge detection voltage  2.40±0.1V  Over discharge detection voltage  Over discharge release voltage  Over discharge rele	No.		Test Item	Criterion
Balance voltage for single cell Balance current for single cell  Current Consumption for single cell  St0μA  Maximal continuous charging current  2.5A  Over charge detection voltage  Over charge etlection delay time  Over discharge protection  Over discharge release voltage  Over discharge etlection voltage  Over discharge release voltage  Over current protection  Over discharge release voltage  Over current detection current  5±1A  Over current protection Detection delay time  Felease condition  Cut load, Auto Recover Release condition  Exterior short circuit current  Petection delay time  Operating Temperature Range  Temperature  Operating Temperature Range  -40 - +85°C  yL ***Synchar**  B+ = 电池+  B- = 电池-  P+ = 输出+/充电  P- = 输出-/充电-	Balance voltage for single cell Balance current for single cell Current Current for single cell Maximal continuous charging current Dever charge Protection  Over charge detection voltage  Over discharge detection voltage  Over discharge detection voltage  Over discharge release voltage  Over discharge detection voltage  Over discharge protection  Over discharge detection voltage  Over discharge release voltage  Over discharge detection voltage  Over discharge release voltage  Over discharge release voltage  Over discharge release voltage  Over current protection  Over current detection current  5±1A  Over current protection Detection delay time Felease condition Cut load, Auto Recover Release condition Exterior short circuit Detection delay time  Over discharge release voltage  Over current detection current  5±1A  Cut load, Auto Recover Release condition Cut load, Auto Recover Relea	Balance voltage for single cell Balance current for single cell Current Current Current for single cell Maximal continuous charging current 2.5A Maximal continuous Discharging current 2.5A Over charge Protection Over charge detection voltage 4.30±0.05V Over charge detection delay time 10—200mS Over discharge protection Over discharge detection voltage 2.40±0.1V Over discharge protection Over discharge detection voltage 0ver discharge detection voltage 2.40±0.1V Over discharge release voltage 0ver discharge detection delay time 10—200mS Over discharge release voltage 3.0±0.1V  Over current protection Detection delay time 5±1A Over current detection current 5±1A Detection delay time Cut load, Auto Recover Release condition Exterior short circuit Detection delay time 200-800us Release condition Cut load, Auto Recover Resistance Protection circuitry 550mΩ Operating Temperature Range 40 - +85°C Storage Temperature Range 40 - +125°C  V上参数測试温度为25°C,若温度不在25°C则会有一定偏差。 B+ = 电池- P+ = 输出+/充电- P+ = 输出+/充电- P+ = 输出+/充电-	Balance voltage for single cell Balance current for single cell Current Current Consumption for single cell Maximal continuous charging current 2.5A Maximal continuous Discharging current 2.5A Over charge Protection Over charge detection voltage 4.30±0.05V Over charge release voltage Over discharge release voltage Over discharge detection voltage  Over discharge release voltage Over discharge release voltage Over discharge release voltage Over current protection Over discharge release voltage Over current protection Over current detection current  5±1A Over current protection Detection delay time Over current detection Current  5±1A  Over current protection Detection delay time Cut load, Auto Recover Release condition Exterior short circuit Cut load, Auto Recover Release condition Cut load, Auto Recover Release condition Cut load, Auto Recover Release condition Temperature  Temperature  Operating Temperature Range 40 ~ +125°C  VL参数测试温度为25°C,若温度不在25°C则会有一定偏差。  B+ = 电池- P+ = 输出+/充电 P+ = 输出+/充电 P+ = 输出+/充电 P- = 输出-/充电	1	Voltago	Charging voltage	DC4.2V CC/CV
Current   Current consumption for single cell   ≤10μA     Maximal continuous charging current   2.5A     Maximal continuous Discharging current   2.5A     Over charge Protection   Over charge detection voltage   4.30±0.05V     Over charge Protection   Over charge detection delay time   10—200mS     Over discharge protection   Over discharge detection voltage   2.40±0.1V     Over discharge protection   Over discharge detection delay time   10—200mS     Over discharge release voltage   3.0±0.1V     Over current protection   Over discharge release voltage   3.0±0.1V     Over current protection   Detection delay time   5ms—60ms     Release condition   Cut load, Auto Recover     Release condition   Exterior short circuit     Operating Temperature Range   -40~+85°C     Storage Temperature Range   -40~+85°C     Storage Temperature Range   -40~+85°C     Operating Temperature Range   -40~+125°C     Operating Temp	2       Current       Current consumption for single cell       ≤10μA         Maximal continuous charging current       2.5A         Maximal continuous Discharging current       2.5A         3       Over charge Protection       Over charge detection voltage       4.30±0.05V         4       Over charge Protection       Over charge detection delay time       10-200mS         4       Over discharge protection       Over discharge detection voltage       2.40±0.1V         5       Over discharge protection       Over discharge detection delay time       10-200mS         6       Over current protection       Over current detection current       5±1A         5       Over current protection       Detection delay time       5ms-60ms         6       Short protection       Detection condition       Exterior short circuit         6       Short protection       Detection delay time       200-800us         7       Resistance       Protection circuitry       ≤50mΩ         8       Temperature       9perating Temperature Range       -40 ~ +85°C         YL参数測试温度为25°C,若温度不在25°C则会有一定偏差。       B+ = 电池-P+ = 输出+/充电-P+ = M+/P+ = M+/P	2       Current       Current consumption for single cell       ≤10μA         Maximal continuous charging current       2.5A         Maximal continuous Discharging current       2.5A         3       Over charge Protection       Over charge detection voltage       4.30±0.05V         4       Over charge Protection       Over charge detection delay time       10—200mS         4       Over discharge protection       Over discharge detection voltage       2.40±0.1V         5       Over discharge protection       Over discharge detection delay time       10—200mS         6       Over current protection       Over current detection current       5±1A         5       Over current protection       Detection delay time       5ms—60ms         6       Short protection       Detection delay time       200-800us         6       Short protection       Detection delay time       200-800us         7       Resistance       Protection circuitry       ≤50mΩ         8       Temperature       -40 ~ +85°C         Storage Temperature Range       -40 ~ +85°C         YL-参数測试温度为25°C,若温度不在25°C则会有一定偏差。       B+ = 电池-P+ = 输出+/充电-P+ = M+/P+ = M+/	2       Current       Current consumption for single cell       ≤10μA         Maximal continuous charging current       2.5A         Maximal continuous Discharging current       2.5A         3       Over charge Protection       Over charge detection voltage       4.30±0.05V         4       Over charge Protection       Over charge detection delay time       10—200mS         4       Over discharge protection       Over discharge detection voltage       2.40±0.1V         5       Over discharge protection       Over discharge detection delay time       10—200mS         6       Over current protection       Over current detection current       5±1A         5       Over current protection       Detection delay time       5ms—60ms         6       Short protection       Detection delay time       200-800us         6       Short protection       Detection delay time       200-800us         7       Resistance       Protection circuitry       ≤50mΩ         8       Temperature       -40~+85°C         Storage Temperature Range       -40~+85°C         YL-参数測试温度为25°C,若温度不在25°C则会有一定偏差。       B+=电池-P+=输出+/充电-P+=输出+/充电-P+=输出+/充电-P+=输出+/充电-P+=输出+/充电-P+=输出+/充电-P+=输出+/充电-P+=输出+/充电-P+=输出+/充电-P+=输出+/充电-P+=	ı	Voltage	Balance voltage for single cell	
Maximal continuous charging current   2.5A	Maximal continuous charging current   2.5A	Maximal continuous charging current   2.5A   Maximal continuous Discharging current   2.5A	Maximal continuous charging current   2.5A			Balance current for single cell	
Maximal continuous charging current   2.5A	2	Current	Current consumption for single cell	≤10µA			
Over charge Protection Over charge detection voltage Over charge Protection Over charge detection voltage Over charge detection delay time Over discharge release voltage Over discharge detection voltage Over discharge detection delay time Over discharge release voltage Over discharge release voltage Over discharge release voltage Over current protection Over current detection current  Detection delay time Felease condition Cut load, Auto Recover Release condition Cut load, Auto Recover Release condition Over current delay time Formal Cut load, Auto Recover Release condition Over current protection Over current protection Over current protection Over current detection current Detection delay time Cut load, Auto Recover Release condition Cut load, Auto Recover Release condition Over current protection circuitry SomΩ  Protection circuitry SomΩ  Operating Temperature Range -40 ~ +125°C  VL **Down** B+ = 电池+ B- = 电池- P+ = 输出+/充电 P- = 输出+/充电 P- = 输出+/充电	Over charge detection voltage Over charge Protection Over charge detection voltage Over charge Protection Over charge detection delay time Over discharge release voltage Over discharge protection Over discharge detection voltage Over discharge protection Over discharge release voltage Over discharge release voltage Over discharge release voltage Over current protection Over current detection current  Detection delay time Sims—60ms Release condition Cut load, Auto Recove Release condition Detection delay time Over current delay time Cut load, Auto Recove Release condition Cut load, Auto Recove Over current protection Over current protection Over current protection Over current detection current  Sims—60ms Cut load, Auto Recove Cut load, Auto Recove Over current protection Over current protection Over current protection Over current detection circuit Over current detection circuit Over current detection current  Sims—60ms Cut load, Auto Recove Cut load, Auto Recove Over current protection Over current protection Over current detection circuit Over current detection circuit Over current detection current  Sims—60ms Cut load, Auto Recove Over current protection Over current protection Over current detection current Over current detection current  Situation Over current protection Over current detection current  Situation Over current protection  Over current detection current  Situation Over current Over current Over current Over current Over current Over cur	Over charge Protection Over charge detection voltage Over charge Protection Over charge detection delay time Over discharge release voltage Over discharge protection Over discharge detection voltage Over discharge protection Over discharge release voltage Over discharge release voltage Over discharge release voltage Over current protection Over current detection current  Detection delay time Fatha  Over current protection Over current delay time Exterior short circuit Over current protection Over current delay time Fatha  Over current protection Over current delay time Cut load, Auto Recover Release condition Cut load, Auto Recover Release condition Cut load, Auto Recover Over discharge release voltage Over current detection circuit Over current delay time Fatha  Over current protection Cut load, Auto Recover Cut load, Auto Recover Fatha Cut load, Auto Recover Fatha Fatha Over current protection Cut load, Auto Recover Fatha Cut load, Auto Recover Fatha Cut load, Auto Recover Fatha Fatha  Over current protection Fatha  F	Over charge Protection Over charge detection voltage Over charge Protection Over charge detection delay time Over discharge release voltage Over discharge detection voltage Over discharge protection Over discharge detection delay time Over discharge release voltage Over discharge release voltage Over current protection Over current detection current  Detection delay time Felease condition Over current protection Over current detection Over current detection Over current detection current Detection delay time Felease condition Cut load, Auto Recover Release condition Over current detection Over current protection Over current detection current Detection delay time Cut load, Auto Recover Release condition Cut load, Auto Recover Over current protection Over current protection Over current detection current Detection delay time Cut load, Auto Recover Release condition Cut load, Auto Recover Over current protection Over current protection Over current detection current Detection condition Over current detection current Detection delay time Cut load, Auto Recover Over current protection Over current protection Over current detection current Detection delay time Cut load, Auto Recover Over current protection Over current protection Over current detection current Detection delay time Cut load, Auto Recover Over current protection Over current protection Over current protection Over current protection Over discharge detection voltage O	2	Current	Maximal continuous charging current	2.5A
Over charge Protection Over charge detection delay time Over discharge release voltage 4.1±0.05V Over discharge detection voltage 2.40±0.1V Over discharge detection voltage Over discharge detection delay time Over discharge release voltage 3.0±0.1V Over current protection Over current detection current 5±1A Detection delay time Falease condition Cut load, Auto Recover Release condition Detection delay time Short protection Detection delay time Release condition Cut load, Auto Recover Release condition Cut load, Auto Reco	Over charge Protection Over charge detection delay time Over discharge release voltage 4.1±0.05V Over discharge detection voltage 2.40±0.1V Over discharge detection voltage Over discharge release voltage Over discharge release voltage Over discharge release voltage  Over discharge release voltage  Over current protection Over current detection current  5±1A  Detection delay time Fins—60ms Release condition Cut load, Auto Recover Release condition Exterior short circuit Detection delay time Operating Temperature Range  Temperature  Operating Temperature Range  -40~+85°C Storage Temperature Range -40~+125°C  以上参数测试温度为25°C,若温度不在25°C则会有一定偏差。  B+ = 电池+ B- = 电池- P+ = 输出+/充电 P- = 输出-/充电-	Over charge Protection Over charge detection delay time Over discharge release voltage 4.1±0.05V Over discharge detection voltage 2.40±0.1V Over discharge protection Over discharge detection delay time Over discharge release voltage 3.0±0.1V Over current protection Over current detection current 5±1A  Detection delay time Sms—60ms Release condition Cut load, Auto Recover Exterior short circuit Detection delay time Release condition Detection delay time Cut load, Auto Recover Exterior short circuit Detection delay time Operating Temperature Range Operating Temperature Range  VL 参数测试温度为25℃,若温度不在25℃则会有一定偏差。  B+ =电池+ B- =电池- P+ =输出+/充电- P- =输出-/充电-	Over charge Protection Over charge detection delay time Over discharge release voltage 4.1±0.05V  Over discharge detection voltage 2.40±0.1V  Over discharge detection voltage Over discharge detection delay time Over discharge release voltage 3.0±0.1V  Over current protection Over current detection current  Detection delay time Falease condition Cut load, Auto Recover Release condition Detection delay time Cut load, Auto Recover Release condition Cut load, Auto Recover Protection Cut load, Auto Recover Cut load, Auto Recover Protection circuitry SomΩ  Operating Temperature Range Au ~ +85°C Storage Temperature Range Au ~ +40 ~ +125°C  V 上参数测试温度为25℃,若温度不在25℃则会有一定偏差。  B+ = 电池+ B- = 电池- P+ = 输出+/充电 P- = 输出-/充电-			Maximal continuous Discharging current	2.5A
Over charge release voltage   4.1±0.05V			Over charge detection voltage	4.30±0.05V			
Over discharge detection voltage  2.40±0.1V Over discharge protection Over discharge detection delay time Over discharge release voltage 3.0±0.1V  Over current protection  Detection delay time Release condition Detection condition Detection delay time Release condition Cut load, Auto Recover Release condition Cut load, Auto Recover Release condition  Protection delay time Release condition Cut load, Auto Recover Release condition  Texterior short circuit Sound Cut load, Auto Recover Release condition  Protection circuitry  Operating Temperature Range  Temperature  Uperating Temperature Range  Valo~+85°C Storage Temperature Range  Valo~+125°C  Valo**  B+ = 电池- P+ = 输出-/充电- P+ = 输出-/充电-	Over discharge protection   Over discharge detection voltage   2.40±0.1V	Over discharge protection   Over discharge detection voltage   2.40±0.1V	Over discharge protection   Over discharge detection voltage   2.40±0.1V	3	Over charge Protection	Over charge detection delay time	10—200mS
Over discharge protection Over discharge detection delay time Over discharge release voltage 3.0±0.1V  Over current protection Over current detection current  Detection delay time Release condition Over current detection current  Exterior short circuit Detection delay time Cut load, Auto Recover Release condition  Detection delay time Cut load, Auto Recover Release condition  Protection delay time Cut load, Auto Recover Release condition  Temperature  Operating Temperature Range  Operating Temperature Range  Storage Temperature Range  Detection circuitry SomΩ  Auto Recover SomΩ  Fundamental Recover Resistance  Brender- Storage Temperature Range  -40~+85°C  Auto -485°C  Storage Temperature Range  -40~+125°C  Auto -40~+125°C  Auto -40~+125°C  Auto -40~+125°C  Auto -40~+125°C  Auto -40~+125°C  Auto -40~+125°C	Over discharge protection Over discharge detection delay time Over discharge release voltage 3.0±0.1V  Over current protection Over current detection current  Detection delay time Release condition Over current detection current  Exterior short circuit  Detection delay time Cut load, Auto Recover Release condition Cut load, Auto Recover Release condition Cut load, Auto Recover Cut load, Cut lo	Over discharge protection Over discharge detection delay time Over discharge release voltage 3.0±0.1V  Over current protection Over current detection current  Detection delay time Release condition Over current detection current  Exterior short circuit  Detection delay time Release condition  Detection delay time Cut load, Auto Recove Release condition Cut load, Auto Recove Release condition Cut load, Auto Recove  7 Resistance Protection circuitry  S50mΩ  Operating Temperature Range -40 ~ +85°C Storage Temperature Range  Detection circuitry  S50mΩ  Auto Recove  Frotection circuitry S50mΩ  Operating Temperature Range -40 ~ +125°C  Auto Auto Recove  Storage Temperature Range -40 ~ +125°C  Auto Auto Recove  Storage Temperature Range -40 ~ +125°C  Auto Auto Recove  Storage Temperature Range -40 ~ +125°C  Auto Auto Recove  Frotection circuitry Storage Temperature Range -40 ~ +125°C  Auto Auto Recove  Frotection circuitry Storage Temperature Range -40 ~ +125°C  Auto Auto Recove  Frotection circuitry Frote Auto Auto Recove  Frotection circuitry Frote Auto Auto Recove  Frotection circuitry Frote Auto Auto Recove  Frotection circuitry Frotection circuitry Frote Auto Auto Recove  Frote Auto Recove  Frotection circuitry Frote Auto Auto Recove  Frote Frote Auto Recove  Frote Frote Auto Recove  Frote Fro	Over discharge protection Over discharge detection delay time Over discharge release voltage 3.0±0.1V  Over current protection  Detection delay time Sms—60ms Release condition Cut load, Auto Recove Release condition Detection delay time Short protection Detection delay time Release condition Cut load, Auto Recove Storage Temperature Range -40 ~ +85°C Storage Temperature Range  Detection circuitry S50mΩ  Auto Recove Storage Temperature Range -40 ~ +85°C Storage Temperature Range -40 ~ +125°C  Auto Recove Storage Temperature Range -40 ~ +125°C			Over charge release voltage	4.1±0.05V
Over discharge release voltage   3.0±0.1V			Over discharge detection voltage	2.40±0.1V			
Over current protectionOver current detection current5±1A5 Over current protectionDetection delay time5ms—60msRelease conditionExterior short circuit6 Short protectionDetection conditionExterior short circuit7 ResistanceProtection delay time200-800usRelease conditionCut load, Auto Recover7 ResistanceProtection circuitry≤50mΩ8 TemperatureOperating Temperature Range-40~+85°CStorage Temperature Range-40~+125°C以上参数測试温度为25°C,若温度不在25°C则会有一定偏差。B+ = 电池+ P+ = 输出+/充电 P- = 输出-/充电-	Over current protectionOver current detection current5±1ADetection delay time5ms—60msRelease conditionCut load, Auto RecoverDetection conditionExterior short circuitDetection delay time200-800usRelease conditionCut load, Auto RecoverResistanceProtection circuitry≤50mΩTemperatureOperating Temperature Range-40~+85°CStorage Temperature Range-40~+125°C以上参数測试温度为25°C,若温度不在25°C则会有一定偏差。B+ = 电池- P+ = 输出+/充电P+ = 输出-/充电-	Over current protectionOver current detection current5±1ADetection delay time5ms—60msRelease conditionCut load, Auto RecoverDetection conditionExterior short circuitDetection delay time200-800usRelease conditionCut load, Auto RecoverResistanceProtection circuitry≤50mΩTemperatureOperating Temperature Range-40~+85°CStorage Temperature Range-40~+125°C以上参数測试温度为25°C,若温度不在25°C则会有一定偏差。B+ = 电池+B- = 电池-P+ = 输出+/充电-P- = 输出-/充电-P- = 输出-/	Over current protectionOver current detection current5±1A5 Over current protectionDetection delay time5ms—60msRelease conditionExterior short circuit6 Short protectionDetection conditionExterior short circuit7 ResistanceProtection delay time200-800usRelease conditionCut load, Auto Recover7 ResistanceProtection circuitry≤50mΩ8 TemperatureOperating Temperature Range-40~+85°CStorage Temperature Range-40~+125°C以上参数測试温度为25°C,若温度不在25°C则会有一定偏差。B+ = 电池+ P+ = 输出+/充电- P+ = 输出+/充电- P- = 输出-/充电-	4	Over discharge protection	Over discharge detection delay time	10—200mS
Over current protectionOver current detection current5±1A5 Over current protectionDetection delay time5ms—60msRelease conditionExterior short circuit6 Short protectionDetection conditionExterior short circuit7 ResistanceProtection delay time200-800usRelease conditionCut load, Auto Recover7 ResistanceProtection circuitry≤50mΩ8 TemperatureOperating Temperature Range-40~+85°CStorage Temperature Range-40~+125°C以上参数測试温度为25°C,若温度不在25°C则会有一定偏差。B+ = 电池+ P+ = 输出+/充电 P- = 输出-/充电-	Over current protectionOver current detection current5±1ADetection delay time5ms—60msRelease conditionCut load, Auto RecoverDetection conditionExterior short circuitDetection delay time200-800usRelease conditionCut load, Auto RecoverResistanceProtection circuitry≤50mΩTemperatureOperating Temperature Range-40~+85°CStorage Temperature Range-40~+125°C以上参数測试温度为25°C,若温度不在25°C则会有一定偏差。B+ = 电池- P+ = 输出+/充电P+ = 输出-/充电-	Over current protectionOver current detection current5±1ADetection delay time5ms—60msRelease conditionCut load, Auto RecoverDetection conditionExterior short circuitDetection delay time200-800usRelease conditionCut load, Auto RecoverResistanceProtection circuitry≤50mΩTemperatureOperating Temperature Range-40~+85°CStorage Temperature Range-40~+125°C以上参数測试温度为25°C,若温度不在25°C则会有一定偏差。B+ = 电池+B- = 电池-P+ = 输出+/充电-P- = 输出-/充电-P- = 输出-/	Over current protectionOver current detection current5±1A5 Over current protectionDetection delay time5ms—60msRelease conditionExterior short circuit6 Short protectionDetection conditionExterior short circuit7 ResistanceProtection delay time200-800usRelease conditionCut load, Auto Recover7 ResistanceProtection circuitry≤50mΩ8 TemperatureOperating Temperature Range-40~+85°CStorage Temperature Range-40~+125°C以上参数測试温度为25°C,若温度不在25°C则会有一定偏差。B+ = 电池+ P+ = 输出+/充电- P+ = 输出+/充电- P- = 输出-/充电-			Over discharge release voltage	3.0±0.1V
Release condition  Cut load, Auto Recover Detection condition  Exterior short circuit 200-800us Release condition  7 Resistance Protection circuitry  S50mΩ  Operating Temperature Range Storage Temperature Range  以上参数测试温度为25°C,若温度不在25°C则会有一定偏差。  B+=电池+ B-=电池- P+=输出+/充电 P-=输出-/充电-	Release condition Cut load, Auto Recover Detection condition Exterior short circuit 200-800us Release condition Cut load, Auto Recover Release condition Cut load, Auto Recover Protection circuitry ≤50mΩ  8 Temperature Operating Temperature Range -40~+85°C Storage Temperature Range -40~+125°C Storage Temperature Range -40~+125°C DH → 125°C DH → 125°	Release condition Cut load, Auto Recover Detection condition Exterior short circuit 200-800us Release condition Cut load, Auto Recover Resistance Protection circuitry ≤50mΩ  8 Temperature Operating Temperature Range -40~+85°C Storage Temperature Range -40~+125°C Storage Temperature Range -40~+125°C DH → 125°C DH → 1	Release condition Cut load, Auto Recover Detection condition Exterior short circuit 200-800us Release condition Cut load, Auto Recover 200-800us Release condition Cut load, Auto Recover 200-800us Release condition Cut load, Auto Recover 250mΩ  Protection circuitry S50mΩ Operating Temperature Range -40 ~ +85°C Storage Temperature Range  VL参数测试温度为25°C,若温度不在25°C则会有一定偏差。  B+ = 电池+ B- = 电池- P+ = 输出+/充电 P- = 输出-/充电-				5±1A
Release condition Cut load, Auto Recover Detection condition Exterior short circuit 200-800us Release condition Cut load, Auto Recover Release condition Cut load, Auto Recover Storage Temperature Range -40~+85°C Storage Temperature Range -40~+125°C 以上参数测试温度为25°C,若温度不在25°C则会有一定偏差。  B+=电池+B-=电池-P+=输出+/充电P-=输出-/充电-P-=	Release condition Cut load, Auto Recover Detection condition Exterior short circuit Detection delay time 200-800us Release condition Cut load,Auto Recover Resistance Protection circuitry ≤50mΩ  8 Temperature Operating Temperature Range -40∼+85°C Storage Temperature Range -40∼+125°C Storage Temperature Range B+ = 电池+ B- = 电池-P+ = 输出+/充电 P- = 输出-/充电-P- = 输出-/	Release condition Cut load, Auto Recover Detection condition Exterior short circuit 200-800us Release condition Cut load,Auto Recover 200-800us Release condition Cut load,Auto Recover 200-800us Release condition Cut load,Auto Recover 250mΩ  Protection circuitry SomΩ Operating Temperature Range -40 ~ +85°C Storage Temperature Range  Less 200-800us Cut load,Auto Recover 250mΩ  Protection circuitry Storage Temperature Range -40 ~ +85°C Storage Temperature Range -40 ~ +125°C  B+ = 电池+ B- = 电池- P+ = 输出+/充电- P+ = 输出-/充电-	Release condition Cut load, Auto Recover Detection condition Exterior short circuit 200-800us Release condition Cut load, Auto Recover 200-800us Release condition Cut load, Auto Recover 200-800us Release condition Cut load, Auto Recover 250mΩ  Protection circuitry S50mΩ Operating Temperature Range -40 ~ +85°C Storage Temperature Range  Less 200-800us Cut load, Auto Recover 250mΩ  Storage Temperature Range B+ = 8.0 ← 10 ← 125°C  Detection circuitry S50mΩ  Storage Temperature Range P+ = 18 □ + 10 ← 10 ← 10 ← 10 ← 10 ← 10 ← 10 ← 10	5	Over current protection	Detection delay time	5ms—60ms
Detection condition Exterior short circuit Detection delay time 200-800us Release condition Cut load,Auto Recover 7 Resistance Protection circuitry ≤50mΩ  8 Temperature Operating Temperature Range -40 ~ +85°C Storage Temperature Range -40 ~ +125°C VL参数测试温度为25°C,若温度不在25°C则会有一定偏差。  B+ = 电池+ B- = 电池- P+ = 输出+/充电 P- = 输出-/充电-	Detection condition Exterior short circuit Detection delay time 200-800us Release condition Cut load,Auto Recover 7 Resistance Protection circuitry ≤50mΩ  8 Temperature Operating Temperature Range -40 ~ +85°C Storage Temperature Range -40 ~ +125°C   以上参数测试温度为25°C,若温度不在25°C则会有一定偏差。  B+ = 电池+ B- = 电池- P+ = 输出+/充电 P- = 输出-/充电-	Detection condition Exterior short circuit Detection delay time 200-800us Release condition Cut load,Auto Recove Protection circuitry ≤50mΩ  8 Temperature Operating Temperature Range -40 ~ +85°C Storage Temperature Range -40 ~ +125°C VL 参数测试温度为25°C,若温度不在25°C则会有一定偏差。  B+ = 电池+ B- = 电池- P+ = 输出+/充电- P+ = 输出+/充电- P- = 输出-/充电-	Detection condition Exterior short circuit Detection delay time 200-800us Release condition Cut load,Auto Recover 7 Resistance Protection circuitry ≤50mΩ  8 Temperature Operating Temperature Range -40 ~ +85°C Storage Temperature Range -40 ~ +125°C VL参数测试温度为25°C,若温度不在25°C则会有一定偏差。  B+ = 电池+ B- = 电池- P+ = 输出+/充电 P- = 输出-/充电-		·		Cut load, Auto Recove
Release condition Cut load,Auto Recover 7 Resistance Protection circuitry ≤50mΩ  8 Temperature Operating Temperature Range -40 ~ +85°C Storage Temperature Range -40 ~ +125°C  以上参数测试温度为25°C,若温度不在25°C则会有一定偏差。  B+ =电池+ B- =电池- P+ =输出+/充电 P- =输出-/充电-	Release condition Cut load,Auto Recover 7 Resistance Protection circuitry ≤50mΩ  8 Temperature Operating Temperature Range -40 ~ +85°C Storage Temperature Range -40 ~ +125°C  以上参数测试温度为25℃,若温度不在25℃则会有一定偏差。  B+ =电池+ B- =电池- P+ =输出+/充电 P- =输出-/充电-	Release condition Cut load,Auto Recove 7 Resistance Protection circuitry ≤50mΩ 8 Temperature Operating Temperature Range -40∼+85℃ Storage Temperature Range -40∼+125℃ 以上参数測试温度为25℃,若温度不在25℃则会有一定偏差。 B+ =电池+ B- =电池- P+ =输出+/充电- P+ =输出+/充电-	Release condition Cut load,Auto Recover 7 Resistance Protection circuitry ≤50mΩ  8 Temperature Operating Temperature Range -40 ~ +85°C Storage Temperature Range -40 ~ +125°C  以上参数测试温度为25°C,若温度不在25°C则会有一定偏差。  B+ =电池+ B- =电池- P+ =输出+/充电 P- =输出-/充电-			Detection condition	Exterior short circuit
Release condition Cut load,Auto Recover 7 Resistance Protection circuitry ≤50mΩ  8 Temperature Operating Temperature Range -40 ~ +85°C Storage Temperature Range -40 ~ +125°C  以上参数测试温度为25°C,若温度不在25°C则会有一定偏差。  B+ =电池+ B- =电池- P+ =输出+/充电 P- =输出-/充电-	Release condition Cut load,Auto Recover 7 Resistance Protection circuitry ≤50mΩ  8 Temperature Operating Temperature Range -40 ~ +85°C Storage Temperature Range -40 ~ +125°C  以上参数测试温度为25℃,若温度不在25℃则会有一定偏差。  B+ =电池+ B- =电池- P+ =输出+/充电 P- =输出-/充电-	Release condition Cut load,Auto Recove 7 Resistance Protection circuitry ≤50mΩ 8 Temperature Operating Temperature Range -40∼+85℃ Storage Temperature Range -40∼+125℃ 以上参数測试温度为25℃,若温度不在25℃则会有一定偏差。 B+ =电池+ B- =电池- P+ =输出+/充电- P+ =输出+/充电-	Release condition Cut load,Auto Recover 7 Resistance Protection circuitry ≤50mΩ  8 Temperature Operating Temperature Range -40 ~ +85°C Storage Temperature Range -40 ~ +125°C  以上参数测试温度为25°C,若温度不在25°C则会有一定偏差。  B+ =电池+ B- =电池- P+ =输出+/充电 P- =输出-/充电-	6	Short protection	Detection delay time	200-800us
Protection circuitry ≤50mΩ  Resistance Protection circuitry ≤50mΩ  Operating Temperature Range -40~+85°C  Storage Temperature Range -40~+125°C  以上参数测试温度为25°C,若温度不在25°C则会有一定偏差。  B+ =电池+ B- =电池- P+ =输出+/充电 P- =输出-/充电-	Protection circuitry ≤50mΩ  Temperature  Operating Temperature Range Storage Temperature Range  □ 40 ~ +85°C →40 ~ +125°C  □ 以上参数测试温度为25°C,若温度不在25°C则会有一定偏差。  □ B+ = 电池+ □ B- = 电池- □ P+ = 输出+/充电 □ P- = 输出-/充电-	Protection circuitry ≤50mΩ  Temperature  Operating Temperature Range Storage Temperature Range  □ 40 ~ +85°C  □ 40 ~ +125°C  □ 40 ~ +125°C  □ 5 ★温度不在25°C则会有一定偏差。  □ 5 □ 1 □ 1 □ 1 □ 1 □ 1 □ 1 □ 1 □ 1 □ 1	Protection circuitry ≤50mΩ  Resistance Protection circuitry ≤50mΩ  Operating Temperature Range -40 ~ +85°C  Storage Temperature Range -40 ~ +125°C  以上参数测试温度为25°C,若温度不在25°C则会有一定偏差。  B+ = 电池+ B- = 电池- P+ = 输出+/充电 P- = 输出-/充电-		·		Cut load, Auto Recover
B Temperature Operating Temperature Range Storage Temperature Range UL参数测试温度为25℃,若温度不在25℃则会有一定偏差。 B+ =电池+ B- =电池- P+ =输出+/充电 P- =输出-/充电-	8 Temperature Operating Temperature Range -40~+85℃ Storage Temperature Range -40~+125℃ 以上参数测试温度为25℃,若温度不在25℃则会有一定偏差。  B+ =电池+B- =电池-P+ =输出+/充电P- =输出-/充电-P- =输出-/充电-P- = 输出-/充电-P- = 和	B Temperature Operating Temperature Range Storage Temperature Range UL参数测试温度为25℃,若温度不在25℃则会有一定偏差。 B+ =电池+ B- =电池- P+ =输出+/充电- P- =输出-/充电-	B Temperature Operating Temperature Range Storage Temperature Range UL参数测试温度为25℃,若温度不在25℃则会有一定偏差。 B+ =电池+ B- =电池- P+ =输出+/充电 P- =输出-/充电-	7	Resistance	Protection circuitry	
8       Temperature       -40~+125℃         以上参数测试温度为25℃,若温度不在25℃则会有一定偏差。       B+ =电池+         B- =电池-       P+ =输出+/充电         P- =输出-/充电-       P- =输出-/充电-	8	8	8       Temperature       -40~+125℃         以上参数测试温度为25℃,若温度不在25℃则会有一定偏差。       B+ =电池+         B- =电池-       P+ =输出+/充电         P- =输出-/充电-       P- =输出-/充电-				-40~+85°C
以上参数测试温度为25℃,若温度不在25℃则会有一定偏差。  B+ =电池+ B- =电池- P+ =输出+/充电 P- =输出-/充电-	以上参数测试温度为25℃,若温度不在25℃则会有一定偏差。  B+ =电池+ B- =电池- P+ =输出+/充电 P- =输出-/充电-	以上参数测试温度为25℃,若温度不在25℃则会有一定偏差。  B+ =电池+ B- =电池- P+ =输出+/充电- P- =输出-/充电-	以上参数测试温度为25℃,若温度不在25℃则会有一定偏差。  B+ =电池+ B- =电池- P+ =输出+/充电 P- =输出-/充电-	8	Temperature		-40 ~ +125°C
B+ =电池+ B- =电池- P+ =输出+/充电 P- =输出-/充电-	B+ =电池+ B- =电池- P+ =输出+/充电 P- =输出-/充电-	B+ =电池+ B- =电池- P+ =输出+/充电- P- =输出-/充电-	B+ =电池+ B- =电池- P+ =输出+/充电 P- =输出-/充电-	以			
B- =电池- P+ =输出+/充电 P- =输出-/充电-	• • •			 B+ =电池+			
P+ =输出+/充电 P- =输出-/充电-	P+ =输出+/充电 P- =输出-/充电-	P+ =输出+/充电· P- =输出-/充电- 	P+ =输出+/充电 P- =输出-/充电-				<u>_</u>
P- =输出-/充电- 	P- =输出-/充电-	P- =输出-/充电- 	P- =输出-/充电- 				
B+P+ P-B-	B+P+ P-B-	B+P+ P-B-	B+P+ P-B-				F-=制山-/心电-
					B+P+	P-B-	

Audit:

maka :

Approval: