BCI 800 R

1	2	3	4	5	6	7	8	9
对象 / Object	描述 / Description	访问 / Access	访问条件 / Access condition	数据类型 / Data type	数据字节长度 / Data length in Bytes	char'类型的掩码 / Mask for type 'char'	数据 / Data	举例或进一步描述 / Example or further description
0	产品型号 / Device Type	ro		string	16			BCI824-20 R + EOL (EOL= 行尾为0x00)
1	产品系列号 / Device serial no.	ro		string	16			2009000000 + EOL
2	额定电压 / Nominal voltage	ro		float	4			$U_{额定}$ / Unom = 32.0 (基于IEEE75浮点数 / Floating point number IEEE754 Standard)
3	额定电流 / Nominal current	ro		float	4			$I_{额定}$ / Inom = 20.0 (基于IEEE75浮点数 / Floating point number IEEE754 Standard)
4	额定功率 / Nominal power	ro		float	4			$P_{额定}$ / Pnom = 640.0 (基于IEEE75浮点数 / Floating point number IEEE754 Standard)
6	产品编号 / Order no.	ro		string	16			09200120 + EOL
7	用户文本 / User text	rw		string	16			最多15个字符 / Max. 15 characters + EOL
8	生产商 / Manufacturer	ro		string	16			生产商名称 / Manufacturer's name + EOL
9	软件版本 / Software version	ro		string	16			V2.01 09.08.06 + EOL
10	端口类型 / Interface type	ro		string	16			IF-R1 + EOL
11	接口编号 / Interface serial no.	ro		string	16			10001234 + EOL
12	端口订单号 / Interface order no.	ro		string	16			27150410 + EOL
13	接口软件版本 / Interface software version	ro		string	16			V3.01 + EOL
19	产品级别 / Device class	ro		int	2			0x0005 = BCI800R
37	OVPf阀值 / OVP offset threshold	rw		int	2			过压设定值 = 充电电压 + 偏差值 Overvoltage set value= charge voltage+ offset 步/Steps 0,1V 范围 / Range 10..100 = 1.0V..10.0V
38	OVP极限/ OVP limit	rw		int	2			仅适合电源模式 / only applies for power supply mode:
50	U设定值 / Set value U	rw		int	2			电压设定值 (Unom * 256的%) / Set value of voltage (% of Unom * 256)
51	I 设定值 / Set value I	rw		int	2			电流设定值 (Inom * 256的%) / Set value of current (% of Inom * 256)
54	电源控制 / Power supply control	rw		char	2	0x01 0x02 0x10	Bit 0: Bit 1: Bit 4:	1 = 打开电源输出或启动充电功能 / Switch power output on or start charging 1 = 确认报警并清除报警缓冲区 / Acknowledge alarm and erase alarm buffer 1 = 转至远程控制 / Switch to remote control
70	产品状态 / Device state	ro		int	2		Byte0: Bit 0+1: Bit 7:	00 =自由访问 / free access; 01 = Remote; 10 = External; 11 = Local 1 = 设置菜单激活 / Settings menu active
71	实际值 / Actual values	ro		int	6		Word 0: Word 1: Word 2:	实际电压 (Unom * 256的%) / Actual voltage (% of Unom * 256) 实际电流 (Inom * 256的%) / Actual current (% of Inom * 256) 实际功率 (Pnom * 256的%) / Actual power (% of Pnom * 256)
72	瞬间设定值 / Momentary set values	ro		int	6		Word 0: Word 1: Word 2:	设定电压 (Unom * 256的%) / Set value of voltage (% of Unom * 256) 设定电流 (Inom * 256的%) / Set value of current (% of Inom * 256) 设定功率 (Pnom * 256的%) / Set value of power (% of Pnom * 256)
77	产品通知 / Device notifications	ro		int	6		Byte 0: Byte 1: Byte 2: Byte 3: Byte 4: Byte 5:	1. 报警类别 / Alarm category 1. 报警代码 / Alarmcode 2. 报警类别 / Alarm category 2. 报警代码 / Alarmcode 3. 报警类别 / Alarm category 3. 报警代码 / Alarmcode (见报警代码表 / see alarm code table)
79	电池配置文档的选择 / Battery profile selection **	rw	1	char	2	0xFF	0x40 0x41 0x42 0x43 0x44 0x45 0x46 0x47 0x48 0x49 0x4A 0x4B 0x4C 0x4D 0x4E 0x4F 0x50 0x51 0x52 0x53 0x54 0x55 0x56 0x57 0x80 0x81 0x82 0x83 0x84 0x85 0x86 0x87 0x88 0x89 0x8A 0x8B	1. 电池配置文档 -> 剪贴板 / 1. Battery profile -> Clipboard 2. 电池配置文档 -> 剪贴板 / 2. Battery profile -> Clipboard 3. 电池配置文档 -> 剪贴板 / 3. Battery profile -> Clipboard 4. 电池配置文档 -> 剪贴板 / 4. Battery profile -> Clipboard 5. 电池配置文档 -> 剪贴板 / 5. Battery profile -> Clipboard 6. 电池配置文档 -> 剪贴板 / 6. Battery profile -> Clipboard 7. 电池配置文档 -> 剪贴板 / 7. Battery profile -> Clipboard 8. 电池配置文档 -> 剪贴板 / 8. Battery profile -> Clipboard 9. 电池配置文档 -> 剪贴板 / 9. Battery profile -> Clipboard 10. 电池配置文档 -> 剪贴板 / 10. Battery profile -> Clipboard 11. 电池配置文档 -> 剪贴板 / 11. Battery profile -> Clipboard 12. 电池配置文档 -> 剪贴板 / 12. Battery profile -> Clipboard 1. 默认电池配置文档 -> 剪贴板 / 1. Default battery profile -> Clipboard 2. 默认电池配置文档 -> 剪贴板 / 2. Default battery profile -> Clipboard 3. 默认电池配置文档 -> 剪贴板 / 3. Default battery profile -> Clipboard 4. 默认电池配置文档 -> 剪贴板 / 4. Default battery profile -> Clipboard 5. 默认电池配置文档 -> 剪贴板 / 5. Default battery profile -> Clipboard 6. 默认电池配置文档 -> 剪贴板 / 6. Default battery profile -> Clipboard 7. 默认电池配置文档 -> 剪贴板 / 7. Default battery profile -> Clipboard 8. 默认电池配置文档 -> 剪贴板 / 8. Default battery profile -> Clipboard 9. 默认电池配置文档 -> 剪贴板 / 9. Default battery profile -> Clipboard 10. 默认电池配置文档 -> 剪贴板 / 10. Default battery profile -> Clipboard 11. 默认电池配置文档 -> 剪贴板 / 11. Default battery profile -> Clipboard 12. 默认电池配置文档 -> 剪贴板 / 12. Default battery profile -> Clipboard 1. 电池配置文档 -> 剪贴板 / 1. Battery profile <- Clipboard 2. 电池配置文档 -> 剪贴板 / 2. Battery profile <- Clipboard 3. 电池配置文档 -> 剪贴板 / 3. Battery profile <- Clipboard 4. 电池配置文档 -> 剪贴板 / 4. Battery profile <- Clipboard 5. 电池配置文档 -> 剪贴板 / 5. Battery profile <- Clipboard 6. 电池配置文档 -> 剪贴板 / 6. Battery profile <- Clipboard 7. 电池配置文档 -> 剪贴板 / 7. Battery profile <- Clipboard 8. 电池配置文档 -> 剪贴板 / 8. Battery profile <- Clipboard 9. 电池配置文档 <- 剪贴板 / 9. Battery profile <- Clipboard 10. 电池配置文档 <- 剪贴板 / 10. Battery profile <- Clipboard 11. 电池配置文档 <- 剪贴板 / 11. Battery profile <- Clipboard 12. 电池配置文档 <- 剪贴板 / 12. Battery profile <- Clipboard
80	用户特定电池名称 /	rw	1	string	11			最多10个字符 / Max. 10 characters + EOL
81	电池类型 / Battery type	ro	1	char	2			Pb = 0, Li = 1, Ni = 2
82	Cells	rw	1	int	2			串联电池节数 / Number of series connected cells 范围/ Range : 1...U nom:Ucharge
83	Ucell,nom.	rw	1	int	2			单节电池额定电压以mV为单位（数值仅影响单节电池电压的显示，实际充电电压可能会更高） / Nominal cell voltage in mV (value effects only cell voltage display, real charging voltage may be higher)
84	Capacity	rw	1	int	2			每步幅度为0.1Ah / in 0.1Ah steps (100 = 10Ah, 1000 = 100Ah)
85	I charge	rw	1	int	2			根据电池容量 / depending on battery capacity: I[A] = I charge * Capacity /10000 每步幅度为0.001C / steps (1000 = 1C, 9999 = 9.999C) 范围 / Range: Ipc ...9.999C
86	单节电池的监控 / Cell supervision	rw	1	char	2	0x11	Bit 0:	仅针对铅性电池 / only for lead batteries 1 = 激活 / activate

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87	Cell dU/dt min	rw	1	int	2			仅针对铅性电池 / only lead batteries
88	T stop min	rw	1	int	2			T[° C] = T stop min:256 对应/resp. T stop min = T[° C] * 256
89	T stop max	rw	1	int	2			T[° C] = T stop max:256 对应/resp. T stop max = T[° C] * 256
90	T (TC) min	rw	1	int	2			T[° C] = T (TC) min:256 (仅针对铅性电池 / only lead batteries)
91	T (TC) max	rw	1	int	2			T[° C] = T (TC) max:256 (仅针对铅性电池 / only lead batteries)
92	dT/dt a, max	rw	1	int	2			每步幅度为 0.1K/min / steps (仅针对镍性电池 / only Nickel batteries)
93	Cell U min	rw	1	int	2			单节电池电压最小为mV / Minimum cell voltage in mV 范围 / Range: (PB: 1.000V; Li: 2.000V; Ni: 0,200V) … U pc,end
94	dTmax	rw	1	int	2			DT[° C]=DTmax/256 (仅针对镍性电池 / only Nickel batteries)
95	Cell U pc,end	rw	1	int	2			单节电池电压值 (!)以mV为单位 / Value per cell (!) in mV 范围 / Range: (PB: 1.000V;Ni: 0.200V;Li: 2.000V … U charge)
96	I pc	rw	1	int	2			每步幅度为0.001C / steps (9999 = 9.999C, 100 = 0.1C) I[A] =I pc * Capacity /10000
97	t pc,end	rw	1	int	2			t = 49152 + Min (见“时间格式”章节 / see section "Time format") 范围 / Range: 0h:00m... 99h:59m = 0xC000 ..0xD76F = 49152...55152
98	Cell U charge	rw	1	int	2			单节电池电压值 (!)以mV为单位 / Value per cell (!) in mV 范围 / Range: Upc,或/or min.U charge (PB:2.150V; Li=2.000V; Ni:1.000mV) … max. U charge (PB: 2.650V;Ni: 1.900V;Li: 4.200V)
99	t cc,end	rw	1	int	2			仅针对铅性电池 / only lead batteries t = 49152 + Min (见“时间格式”章节 / see section "Time format") 范围 / Range: 0h:00m... 99h:59m = 0xC000 ..0xD76F = 49152...55152
100	I a	rw	1	int	2			PB: 限制转至涓充 / Limit to switch to trickle Li: 限制停止充电 / Limit to stop charging 每步幅度为0.001C / steps (10000 = 10C, 100 = 0.1C) 范围 / Range: 0 ...I charge
101	t cv,end	rw	1	int	2			PB: 转为快充前最长时间段 / Max. time before boost Li: 充电终止前最长时间段 / Max time before charging stop t = 49152 + Min (见“时间格式”章节 / see section "Time format") 范围 / Range: 0h:00m...99h:59m = 0xC000...0xD76F = 49152...55152
102	Cell dU a	rw	1	int	2			仅针对镍性电池 / only Nickel batteries 每步幅度为0.1mV / steps 范围 / Range: 20..500 = 2.0mV…50.0 mV
103	Cell U trickle	rw	1	int	2			仅针对铅性电池 / only lead batteries 单节电池电压值 (!)以mV为单位 / Value per cell (!) in mV 范围 / Range: Upc,end…U charge
104	Factor Qmax	rw	1	int	2			仅针对镍性电池 / only Nickel batteries 如果充电x超过由容量C和因素Qmax定义的极限，则充电停止 / If charge x exceeds limit defined by Capacity and Factor Qmax, the charging is stopped 每步幅度为0.001C / in steps of 0.001*Capacity 范围 / Range: 800…2000 = 0.8*Capacity..2.0*Capacity
105	TC charge	rw	1	int	2			仅针对铅性电池 / only lead batteries 带温度补偿的普通充 / Temperature compensation normal charge 每步幅度为0.1mV/K / steps 范围 / Range: 0...-500 = 0...-50mV/K
106	TC trickle	rw	1	int	2			仅针对铅性电池 / only lead batteries 带温度补偿的涓充 / Temperature comp. trickle charge
120	T mon	ro		int	2			平均电池温度 / average battery temperature T[° C] = Tmon /256
121	Q mon	ro		float	4			忽略运行中充电程序的充电电量 / emitted charge of the ongoing charging procedure (基于IEEE75标准浮点数 / Floating point number IEEE754 Standard)
122	充电状态 / Charging state	ro		int	6		Byte 0: Byte 1+2: Byte 3: Byte 4: Byte 5:	充电阶段 / Charging phase : 0 = 无 / no, 1 = 启动 / Start, 2 = 预充 / Precharge 3 = 普通充 / Normal charge (I =恒定 / const.), 4 = 普通充 / Normal charge (U=恒定 / const.), 5 = 涓充 / Trickle, 6 = 充电完成 / Charging finished 充电时间 / Charging time: d: 天 / Days h: 小时 / Hours m: 分 / Minutes s: 秒 / Seconds
123	dU(T,TC)	ro		int	2			仅针对铅性电池 / only lead batteries 温度补偿偏差值 (每节以mV为单位) / Offset of temperature compensation (in mV, per cell)
125	dT/dt mon	ro		int	2			实际温度上升以0.1K/min为单位 / actual temperature rise in 0.1K/min
126	dT/dt mon -10min.**	ro		int	2			10分钟前的温升 / temperature rise 10min. ago
127	U cell,mon	ro		int	2			单节电池实际电压以mV为单位 / actual cell voltage in mV
128	T start	ro		int	2			仅针对镍性电池 / only Nickel batteries

注解 / Legend:

ro =只读 / Read only
rw = 读和写 / Read and write
int = 16位数值 / value
char = 8位数值 / value
float = 32位浮点数 / Floating point number
string =以0x00为结尾的字符串 / String with 0x00 at the end
* 举例: 192.168.0.10 会生成 C0 A8 00 0A / Example: 192.168.0.10 results in C0 A8 00 0A
** 适用于3.01版以上的固件版本 / Available since firmware 3.01

与电池配置文件有关，详情和限制值请见用户指南/ Related to battery profile,see user guide for details and limits

提示 / Hints:
- 必须先在产品上选好要更改的未知文件 / Profile to change has to be selected on the device before
- 只有当前选定的配置文件才可远程进行修改 / Only the currently selected profile can be modified by remote
- 该配置文件在数值更改后自动保存 / The profile is automatically stored after changing values