

## Blad1

CANid	Byte	Bits	Type	Value	Remarks
0x1DB	0	7:0			PackAmps bits 10:3, 2s-comp, 11bits, 1LSB = 0.5A
	1	7:5			PackAmps bits 2:0
	2	7:0			PackVoltage bits 9:2, 10 bits, 1LSB = 0.5V
	3	7:6			PackVoltage bits 1:0
	4				
	5				
	6				
	7				crc byte
0x1DC	0	7:0			Available HV BAT pwr 1kw/bit
	1				
	2	7:4			Max curent while charging
	3	7:0			Value changes when QuickCharging
	4				
	5				
	6				
	7				Crc ?
0x55B	0	7:0			SOC10 bits 10:3
	1	7:5			SOC10 bits 2:0
	2	7:0			PackVoltage bits 9:2
	3	7:6			PackVoltage bits 1:0
	4				
	5				
	6				
	7				crc
0x5B9	0	7:3			GOMFuelBars 5 bits
	1				
	2				
	3				
	4				

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	5				
	6				
	7				

0x5BC	0	7:0			GIDS bits 10:2, 10bits, 0-281 for most vehicles. 1LSB = 65-85WH
	1	7:6			GIDS bits 1:0
	2				bar message ??
	3				
	4				
	5				
	6				
	7				

0x5C0	0	7:0			
	1	7:0			
	2				
	3	7:0			linear positieve ramp up during charge
	4				
	5				
	6				
	7				

0x79b	0	7:0	command size	02	
	1	7:0	command	21	'= read block command
	2	7:0	group	01	Pack health and SOC (6 frames)
			group	02	cellpair values (29 frames)
			group	03	Vmin, max, ?? (5 frames)
			group	04	Temperature (3 frames)
			group	05	?? (11 frames)
			group	06	Balancing shunts
	3	7:0		FF	
	4	7:0		FF	
	5	7:0		FF	
	6	7:0		FF	

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	7	7:0		FF	
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0x79b	0	7:0		30	send next frame
	1			1	must be send within
	2			0	15ms of last 0x7bb
	3			FF	response
	4			FF	
	5			FF	
	6			FF	
	7			FF	

0x7BB	0	7:6	flags		00 ??
		5			1 = next continues frame
		4			1 = first frame
		3:0	index		(0-F) then wraps
	1	7:0	data		data response from
	2	7:0	data		0x79B request
	3	7:0	data		
	4	7:0	data		
	5	7:0	data		
	6	7:0	data		
	7	7:0	data		

0x7BB	0	7:0		0x10	Frame 1 / Group 0x01
	1			0x29	
	2			0x61	
	3			0x01	group nr 0x01
	4				
	5				
	6				
	7				

0x7BB	0	7:0		0x21	Frame 2 / Group 0x01
	1				

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	2				
	3				
	4				
	5				
	6				
	7				

0x7BB	0	7:0		0x22	Frame 3 / Group 0x01
	1				
	2				
	3				
	4				
	5				
	6				
	7				

0x7BB	0	7:0		0x23	Frame 4 / Group 0x01
	1				
	2				
	3				
	4				
	5				
	6				
	7				

0x7BB	0	7:0		0x24	Frame 5 / Group 0x01
	1	7:0			
	2:3	7:0			PackHealth
	4	7:0			
	5:7	7:0			SOC32 byte 0

0x7BB	0	7:0		0x25	Frame 6 / Group 0x01
	1	7:0			
	2:4	7:0			PackCapacity
	5	7:0			

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	6	7:0			
	7	7:0			

0x7BB	0	7:0		0x10	Frame 1 / Group 0x03
	1			0x1C	
	2			0x61	
	3			0x03	group nr 03
	4				
	5				
	6				
	7				

0x7BB	0			0x21	Frame 2 / Group 0x03
	1				
	2				
	3				
	4				
	5				
	6				
	7				CPVMax byte 1

0x7BB	0			0x22	Frame 3 / Group 0x03
	1				CPVmax byte 0
	2:3				CPVmin
	4				
	5				
	6				
	7				

0x7BB	0			0x10	Frame 1 / Group 0x04
	1			0x10	
	2			0x61	
	3			0x04	Group 0x04, temps
	4				
	5				

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	6				BattTemp1
	7				

0x7BB	0			0x21	Frame 2 / Group 0x04
	1				
	2				BattTemp2
	3				
	4				
	5				BattTemp 3
	6				
	7				

0x7BB	0			0x22	Frame 3 / Group 0x04
	1				BattTemp 4
	2				
	3				
	4				
	5				
	6				
	7				

0x7BB	0			0x10	Frame 1 / Group 0x02
	1			0xC6	
	2			0x61	
	3			0x02	group nr 0x02
	4:5				m1
	6:7				m2

0x7BB	0			0x20	Frame 2 / Group 0x02
	1:2				m3
	3:4				m4
	5:6				m5
	7				m6 byte 1

0x7BB	0			0x21	Frame 3 / Group 0x02
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Blad1

	1				m6 byte 0
	2:3				m7
	4:5				m8
	6:7				m9

0x7BB	0			0x22	Frame 4 / Group 0x02
	1:2				m10
	3:4				m11
	5:6				m12
	7				m13msb

0x7BB	0			0x23	Frame 5 / Group 0x02
	1				m13lsb
	2:3				m14
	4:5				m15
	6:7				m16

0x7BB	0			0x24	Frame 6 / Group 0x02
	1:2				m17
	3:4				m18
	5:6				m19
	7				m20 msb

0x7BB	0			0x25	Frame 7 / Group 0x02
	1				m20 lsb
	2:3				m21
	4:5				m22
	6:7				m23

0x7BB	0			0x26	Frame 8 / Group 0x02
	1:2				m24
	3:4				m25
	5:6				m26
	7				m27 msb

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0x7BB	0			0x27	Frame 9 / Group 0x02
	1				m27 lsb
	2:3				m28
	4:5				m29
	6:7				m30

0x7BB	0			0x28	Frame 10 / Group 0x02
	1:2				m31
	3:4				m32
	5:6				m33
	7				m34 msb

0x7BB	0			0x29	Frame 11 / Group 0x02
	1				m34 lsb
	2:3				m35
	4:5				m36
	6:7				m37

0x7BB	0			0x2A	Frame 12 / Group 0x02
	1:2				m38
	3:4				m39
	5:6				m40
	7				m41 msb

0x7BB	0			0x2B	Frame 13 / Group 0x02
	1				m41 lsb
	2:3				m42
	4:5				m43
	6:7				m44

0x7BB	0			0x2C	Frame 14 / Group 0x02
	1:2				m45
	3:4				m46
	5:6				m47



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	7				m48 msb
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0x7BB	0			0x2D	Frame 15 / Group 0x02
	1				m48 lsb
	2:3				m49
	4:5				m50
	6:7				m51

0x7BB	0			0x2E	Frame 16 / Group 0x02
	1:2				m52
	3:4				m53
	5:6				m54
	7				m54 msb

0x7BB	0			0x2F	Frame 17 / Group 0x02
	1				m54 lsb
	2:3				m55
	4:5				m56
	6:7				m57

0x7BB	0			0x20	Frame 18 / Group 0x02
	1:2				m58
	3:4				m59
	5:6				m60
	7				m61 msb

0x7BB	0			0x21	Frame 19 / Group 0x02
	1				m61 lsb
	2:3				m62
	4:5				m63
	6:7				m64

0x7BB	0			0x22	Frame 20 / Group 0x02
	1:2				m65

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	3:4				m66
	5:6				m67
	7				m68 msb

0x7BB	0			0x23	Frame 21 / Group 0x02
	1				m68 lsb
	2:3				m69
	4:5				m70
	6:7				m71

0x7BB	0			0x24	Frame 22 / Group 0x02
	1:2				m72
	3:4				m73
	5:6				m74
	7				m75 msb

0x7BB	0			0x25	Frame 23 / Group 0x02
	1				m75lsb
	2:3				m76
	4:5				m77
	6:7				m78

0x7BB	0			0x26	Frame 24 / Group 0x02
	1:2				m79
	3:4				m80
	5:6				m81
	7				m82 msb

0x7BB	0			0x27	Frame 25 / Group 0x02
	1				m82 lsb
	2:3				m83
	4:5				m84
	6:7				m85

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0x7BB	0			0x28	Frame 26 / Group 0x02
	1:2				m86
	3:4				m87
	5:6				m88
	7				m89 msb

0x7BB	0			0x29	Frame 27 / Group 0x02
	1				m89 lsb
	2:3				m90
	4:5				m91
	6:7				m92

0x7BB	0			0x2A	Frame 28 / Group 0x02
	1:2				m93
	3:4				m94
	5:6				m95
	7				m96 msb

0x7BB	0			0x2B	Frame 29 / Group 0x02
	1				m96 lsb
	2:3			FFFF	m71
	4:5			FFFF	m72
	6:7			FFFF	m73