



EBERSPÄECHER VECTURE

STANDARD PRODUCTS SPECIFICATIONS

INTEGRATED BMS: 1S UP TO 16S

TECHNICAL DATA	V04265	V04278	V04290	V04292	V04299	V04300	V04201	V03207
NUMBER OF CELLS	4S to 16S	1S to 4S	4S to 16S	1S to 4S	1S	3S to 6S	1S to 3S	1S to 4S
PACK VOLTAGE (V)	10 to 67.2	2.5 to 16.8	10 to 67.2	2.5 to 16.8	2.5 to 4.2	7.5 to 25.2	2.5 to 16.8	2.5 to 16.8
SOC/SOH	BQ34Z100	BQ4050	BQ34Z100	BQ4050	BQ27Z746	BQ40Z80	BQ20Z75	BQ4050
CELL TEMPERATURE (NTC)	4	4	4	4	1	2	No	No
SECONDARY PROTECTION	No	No	BQ77216	No	No	BQ77207	S-8244AAIFN	No
EXTERNAL CONTACTOR	Yes	No	Yes	No	No	No	No	No
CURRENT RATING (CONTINUOUS) (A)	100	6	80	15	6	15	3	8
EXTERNAL CURRENT SENSE	Yes	No	Yes	No	No	No	No	No
FET RATING (HIGH SIDE SWITCHING)	100V	30V	100V	30V	20V	40V	20V	30V
CELL BALANCING	Passive	Passive	Passive	Passive	N/A	Passive	Passive	Passive
AFE	MAX14921	BQ4050	MAX14921	BQ4050	BQ27Z746	BQ40Z80	BQ20Z75	BQ4050
COMMUNICATIONS	CAN (iso.), BLE	SMB1.1	CAN (iso.), BLE	SMB1.1	I ² C	SMB1.1	SMB1.1	SMB1.1
LED DISPLAY DRIVER	Yes	Yes	Yes	Yes	No	Yes	No	No
DIMENSIONS (MM)	130X150	18X64	130X175	18X64	10X10	18X54	18X36	18X36
PARALLELABLE	Yes	No	Yes	No	No	No	No	No
LOGGING (*BQ DATA)	Yes	Yes*	Yes	Yes*	Yes*	Yes*	Yes*	Yes*
HEATER DRIVE (A)	2	No	2	No	No	No	No	No

BATTERY PROTECTION BOARDS: 1S UP TO 4S

TECHNICAL DATA	V03010	V03014	V03030	V03050	V03208
NUMBER OF CELLS	1S	1S	1S	2S	1S
PACK VOLTAGE (V) MAXIMUM	4.5	4.5	4.5	9	4.5
CURRENT RATING (CONTINUOUS) (A)	3	2	2	7	0.75
CELL OVERVOLTAGE (V) NOMINAL	4.35	4.325	4.315	4.35	4.28
CELL UNDERVOLTAGE (V) NOMINAL	2.3	2.5	2.5	2.3	2.8
OVERCURRENT1 (A) NOMINAL	5.5	3	3.65	11	1.6
CONTROL IC	S-8241ABPMC	S-8261AAJMD	S-8241ABKMC	S-8232AWFT	S-8240ADQ-M6T1U
EXTERNAL CURRENT SENSE	16 Dia.	7.5X47	4.2X28	35X35	4.2X28