BaSyTec Battery Test Systems - Base Unit Configuration Examples

Configuration	# Output Channels	# Control Units	Max. Charge Current	Max. Discharge Current	Max. Voltage	Min. Discharge Voltage	Rise Time	Resolution	Precision	Size	Weight	Electrochemistry	Material Research	Battery Development	Cycle Life Testing	Parameter Testing	Quality control		Potentiostat	Galvanostat	CV	Current / Voltage Steps	CC/CV Charge	Pulse Charge	Pulse Discharge	GSM/UMTS Discharge	Ext. Chargers/Loads	Aux. Input Chans (T, ...)
1	8	1	25mA	25mA	10V (5V)	-10V (-5V)	4µs	1µA 0.4mV (0.2mV)	12.5µA 5mV (2.5mV)	19" 4HE 450*180*411mm	15kg	X	X	X	X	X	X		X	X	X	X	X	X	X	X[1]		0
2	16	1 (2)	25mA	25mA	10V (5V)	-10V (-5V)	4µs	1µA 0.4mV (0.2mV)	12.5µA 5mV (2.5mV)	19" 7HE 450*310*511mm	29kg	X	X	X	X	X	X		X	X	X	X	X	X	X	X[1]		0
3	8	1	2A	2A	5V	-5V	4µs	80µA 0.2mV	1mA 2.5mV	19" 4HE 450*180*411mm	20kg	X	X	X	X	X	X		X	X	X	X	X	X	X	X[1]		0
4	16	1 (2)	2A	2A	5V	-5V	4µs	80µA 0.2mV	1mA 2.5mV	19" 7HE 450*310*511mm	38kg	X	X	X	X	X	X		X	X	X	X	X	X	X	X[1]		0
5	8	1	3A	3A	10V (5V)	300mV	4µs	120µA 0.4mV (0.2mV)	1.5mA 5mV (2.5mV)	19" 4HE 450*180*411mm	20kg		X	X	X	X	X		X	X		X	X	X	X	X[1]		0
6	16	1 (2)	3A	3A	10V (5V)	300mV	4µs	120µA 0.4mV (0.2mV)	1.5mA 5mV (2.5mV)	19" 7HE 450*310*511mm	38kg		X	X	X	X	X		X	X		X	X	X	X	X[1]		0
7	6	3	3A	3A	10V (5V)	300mV	4µs	120µA 0.4mV (0.2mV)	1.5mA 5mV (2.5mV)	19" 4HE 450*180*411mm	19kg		X	X	X	X	X		X	X		X	X	X	X	X		0
8	12	6	3A	3A	10V (5V)	300mV	4µs	120µA 0.4mV (0.2mV)	1.5mA 5mV (2.5mV)	19" 7HE 450*310*511mm	37kg		X	X	X	X	X		X	X		X	X	X	X	X		0
9	5	1	5A	5A	10V (5V)	500mV	4µs	200µA 0.4mV (0.2mV)	2.5mA 5mV (2.5mV)	19" 4HE 450*180*411mm	20kg		X	X	X	X	X		X	X		X	X	X	X	X[1]		0
10	11	1 (2^2)	5A	5A	10V (5V)	500mV	4µs	200µA 0.4mV (0.2mV)	2.5mA 5mV (2.5mV)	19" 7HE 450*310*511mm	38kg		X	X	X	X	X		X	X		X	X	X	X	X[1]		0
11	4	2	5A	5A	10V (5V)	500mV	4µs	200µA 0.4mV (0.2mV)	2.5mA 5mV (2.5mV)	19" 4HE 450*180*411mm	19kg		X	X	X	X	X		X	X		X	X	X	X	X		0
12	8	4	5A	5A	10V (5V)	500mV	4µs	200µA 0.4mV (0.2mV)	2.5mA 5mV (2.5mV)	19" 7HE 450*310*511mm	37kg		X	X	X	X	X		X	X		X	X	X	X	X		0
13	8	1	2A	2A	20V	3V	<100µs	80µA 0.8mV	1mA 10mV	19" 4HE 450*180*411mm	20kg		X	X	X	X	X		X	X		X	X	X	X			0
14	16	1 (2)	2A	2A	20V	3V	<100µs	80µA 0.8mV	1mA 10mV	19" 7HE 450*310*511mm	38kg		X	X	X	X	X		X	X		X	X	X	X			0
15	5	1	3A	3A	20V	3V	<100µs	120µA 0.8mV	1.5mA 10mV	19" 4HE 450*180*411mm	20kg		X	X	X	X	X		X	X		X	X	X	X			0
16	11	1 (2^2)	3A	3A	20V	3V	<100µs	120µA 0.8mV	1.5mA 10mV	19" 7HE 450*310*511mm	38kg		X	X	X	X	X		X	X		X	X	X	X			0
17	3	1	5A	5A	20V	3V	<200µs	200µA 0.8mV	2.5mA 10mV	19" 4HE 450*180*411mm	20kg		X	X	X	X	X		X	X		X	X	X	X		0	0
18	7	1 (2^2)	5A	5A	20V	3V	<200µs	200µA 0.8mV	2.5mA 10mV	19" 7HE 450*310*511mm	40kg		X	X	X	X	X		X	X		X	X	X	X		0	0
19	3	1	10A	10A	5V	-5V	<100µs	400µA 0.2mV	5mA 2.5mV	19" 4HE 450*180*411mm	20kg		X	X	X	X	X		X	X	X	X	X	X	X		0	0
20	7	1 (2^2)	10A	10A	5V	-5V	<100µs	400µA 0.2mV	5mA 2.5mV	19" 7HE 450*310*511mm	40kg		X	X	X	X	X		X	X	X	X	X	X	X		0	0
21	2	1	10A	10A	20V	3V	<200µs	400µA 0.8mV	5mA 10mV	19" 4HE 450*180*411mm	20kg		X	X	X	X	X		X	X	X	X	X	X	X		0	0
22	5	1 (2^2)	10A	10A	20V	3V	<200µs	400µA 0.8mV	5mA 10mV	19" 7HE 450*310*511mm	40kg		X	X	X	X	X		X	X	X	X	X	X	X		0	0
23	4	1	20A	50A	20V	3V	<200µs	2mA 0.8mV	25mA 10mV	19" 7HE 450*310*511mm	50kg		X	X	X	X	X		X	X	X	X	X	X	X		0	0
24	1	1	50A	200A[4]	54V	4V	<1ms	8mA 2.5mV	100mA 30mV	19" 4HE[2] 450*180*511mm	35kg[2]			X	X	X	X		X	X		X	X	X	X		0	0

0: Option
1: max. 2 channels per control unit at the same time
2: only with 1 channel less
3: without Power supply
4: continious 50A

BaSyTec GmbH, Rosenweg 7, 89129 Oellingen, Germany
Tel.: +49-7345 238 500, Fax +49-7345 238 725, www.BaSyTec.de, info@BaSyTec.de