

CONSTANT CURRENT DISCHARGE CHARACTERISTICS of **EUROPOWER**

EV series batteries, design life **5** years (25 [°C]).

[Amperes] to **1,80** [V/cell] end point voltage

Type	Discharge time													
	5 min	10 min	15 min	20 min	25 min	30 min	35 min	40 min	45 min	50 min	55 min	60 min	90 min	2 hr
EV 9-12	32,95	22,11	15,79	13,35	11,48	10,03	8,641	7,569	6,871	6,293	5,868	5,517	3,875	3,042
EV 15-12	54,91	36,84	26,31	22,26	19,14	16,72	14,41	12,62	11,45	10,49	9,783	9,192	6,458	5,067
EV 22-12	80,54	54,04	38,59	32,64	28,07	24,52	21,12	18,50	16,80	15,37	14,34	13,48	9,475	7,433
EV 33-12	120,8	81,05	57,87	48,97	42,10	36,78	31,69	27,75	25,19	23,10	21,52	20,25	14,21	11,15
EV 50-12	183,0	122,8	87,72	74,19	63,79	55,76	48,01	42,05	38,17	34,98	32,60	30,67	21,53	16,90

[Amperes] to **1,70** [V/cell] end point voltage

Type	Discharge time													
	5 min	10 min	15 min	20 min	25 min	30 min	35 min	40 min	45 min	50 min	55 min	60 min	90 min	2 hr
EV 9-12	40,09	24,68	17,17	14,14	12,05	10,45	8,979	7,855	7,114	6,494	6,035	5,642	3,958	3,100
EV 15-12	66,82	41,12	28,62	23,58	20,09	17,42	14,96	13,09	11,85	10,83	10,06	9,408	6,600	5,167
EV 22-12	98,00	60,31	41,96	34,58	29,46	25,54	21,95	19,20	17,39	15,88	14,75	13,80	9,675	7,575
EV 33-12	147,0	90,44	62,98	51,89	44,19	38,31	32,92	28,76	26,08	23,85	22,13	20,67	14,52	11,37
EV 50-12	222,7	137,1	95,42	78,56	66,96	58,05	49,88	43,65	39,52	36,07	33,53	31,33	21,99	17,23

Constant current discharge characteristics of EUROPOWER batteries EV type	Date of issue	Change number	Date of change
	20.05.2003	0	-

[Amperes] to 1,60 [V/cell] end point voltage

Type	Discharge time													
	5 min	10 min	15 min	20 min	25 min	30 min	35 min	40 min	45 min	50 min	55 min	60 min	90 min	2 hr
EV 9-12	42,95	25,96	17,95	14,67	12,41	10,68	9,181	8,040	7,273	6,628	6,152	5,742	4,025	3,150
EV 15-12	71,59	43,25	29,91	24,44	20,68	17,80	15,30	13,41	12,12	11,05	10,25	9,567	6,708	5,250
EV 22-12	105,0	63,45	43,87	35,85	30,34	26,10	22,45	19,66	17,78	16,20	15,04	14,03	9,842	7,700
EV 33-12	157,5	95,18	65,83	53,77	45,50	39,15	33,66	29,52	26,67	24,27	22,55	21,00	14,76	11,55
EV 50-12	238,6	144,2	99,74	81,48	68,94	59,32	51,00	44,66	40,41	36,82	34,17	31,92	22,36	17,50

[Amperes] to 1,50 [V/cell] end point voltage

Type	Discharge time													
	5 min	10 min	15 min	20 min	25 min	30 min	35 min	40 min	45 min	50 min	55 min	60 min	90 min	2 hr
EV 9-12	44,18	26,45	18,34	14,90	12,59	10,81	9,300	8,141	7,357	6,703	6,210	5,792	4,050	3,167
EV 15-12	73,64	44,08	30,56	24,83	20,98	18,02	15,50	13,57	12,27	11,17	10,35	9,658	6,750	5,275
EV 22-12	108,0	64,65	44,82	36,42	30,78	26,43	22,73	19,89	17,99	16,38	15,18	14,17	9,900	7,742
EV 33-12	162,0	97,02	67,21	54,63	46,16	39,66	34,10	29,86	26,98	24,60	22,77	21,25	14,85	11,61
EV 50-12	245,5	146,9	101,9	82,76	69,94	60,08	51,66	45,25	40,87	37,24	34,50	32,17	22,50	17,59

[Amperes] to 1,40 [V/cell] end point voltage

Type	Discharge time													
	5 min	10 min	15 min	20 min	25 min	30 min	35 min	40 min	45 min	50 min	55 min	60 min	90 min	2 hr
EV 9-12	45,00	26,81	18,55	15,03	12,69	10,89	9,359	8,192	7,399	6,762	6,260	5,833	4,067	3,175
EV 15-12	75,00	44,68	30,92	25,05	21,15	18,14	15,59	13,66	12,33	11,26	10,43	9,717	6,775	5,292
EV 22-12	110,0	65,52	45,35	36,75	31,02	26,62	22,88	20,03	18,09	16,53	15,30	14,26	9,942	7,758
EV 33-12	165,0	98,25	67,99	55,15	46,53	39,92	34,31	30,03	27,13	24,77	22,95	21,42	14,91	11,64
EV 50-12	250,0	148,9	103,0	83,53	70,51	60,51	51,99	45,50	41,11	37,57	34,78	32,42	22,59	17,64

Constant current discharge characteristics of EUROPOWER batteries EV type	Date of issue	Change number	Date of change
	20.05.2003	0	-

[Amperes] to 1,30 [V/cell] end point voltage

Type	Discharge time													
	5 min	10 min	15 min	20 min	25 min	30 min	35 min	40 min	45 min	50 min	55 min	60 min	90 min	2 hr
EV 9-12	45,41	27,04	18,69	15,13	12,76	10,95	9,409	8,234	7,433	6,795	6,285	5,850	4,075	3,183
EV 15-12	75,68	45,07	31,14	25,21	21,27	18,25	15,68	13,72	12,39	11,33	10,48	9,750	6,792	5,308
EV 22-12	111,0	66,10	45,67	36,98	31,19	26,75	23,00	20,13	18,17	16,62	15,37	14,30	9,958	7,783
EV 33-12	166,5	99,12	68,51	55,49	46,79	40,17	34,50	30,19	27,26	24,94	23,05	21,42	14,94	11,68
EV 50-12	252,3	150,3	103,8	84,05	70,89	60,85	52,27	45,75	41,29	37,74	34,92	32,50	22,64	17,68

Constant current discharge characteristics of EUROPOWER batteries EV type	Date of issue	Change number	Date of change
	20.05.2003	0	-