

OVERLOADER – charging reference

(March 2007)

	Charge-Mode	Current	Peak-voltage	Trickle	Temperature Cut-off
East Power 4200	Linear	max. 6A	5mV/Cell	off	55 – 60°C
IB4200 / IB4200SHV	Linear	6A	3mV/Cell	off	48°C
GP3700	Linear	6A	5mV/Cell	off	48°C
GP3300	Linear	5,5A	6mV/Cell	off	48°C
IB3800/VTEC3800	Linear	5,5A	5mV/Cell	off	45°C
3600 NiMH Stickpack	Linear	5A	5mV/Cell	off	45°C
3300 NiMH Stickpack	Linear	4,8A	5mV/Cell	off	45°C
3000 NiMH Stickpack	Linear	4,5A	5mV/Cell	off	45°C
2400 NiCd Stickpack	Linear / Reflex	4A	8mV/Cell	200mA	40°C
2000 NiCd Stickpack	Linear / Reflex	3,5A	8mV/Cell	200mA	40°C
NexCell AAA 900 NiMH	Linear	max. 0,8A	3mV/Cell	off	45°C
NexCell AA 2600 NiMH	Linear	max. 2A	3mV/Cell	off	45°C
IB 1400 2/3A NiMH	Linear	2,3A	3mV/Cell	off	45°C
GP 1300 2/3A NiMH	Linear	2,3A	4mV/Cell	off	45°C
GP 1100 2/3A NiMH	Linear	2A	4mV/Cell	off	45°C
Peak/Orion 4800 LiPo	CC-CV (LiPo)	4,5A	-	-	35°C
Peak/Orion 3200 LiPo	CC-CV (LiPo)	3A	-	-	35°C

Peak-delay time:

If you use fully discharged batteries you should set the peak delay time to about 5-10min, in order to avoid a too early cut-off. For older batteries it could also be necessary to use a high peak-delay time. When a battery is already charged a little bit please set the peak delay time down to 1min to avoid overcharging the battery.

Important advice for Li-Po batteries:

Please always make sure that you only use the special Li-Po program when charging Li-Po batteries. Please check also the nominal voltage on the battery and adjust the charger correctly. Otherwise the battery will be damaged or can cause fire. (for example.: Peak/Orion 4800: 2 Cells => 7,4V!!)

4-Step charging:

The 4-step charging mode may only be used with fully discharged batteries!

It is designed for competition in order to get maximum capacity and power out of the battery.

GP3700	Peak voltage	5mV/cell				Trickle	off
	Temperature	52°C				dchg > chg	off
						Impulse	All off
	Capacity	1000	3000	3600	4300	Reflex	All off
	Current	3,5A	7,0A	5,0A	4,0A	Temp Check	All on

GP3300	Peak voltage	5mV/cell					Trickle	off
	Temperature	52°C					dchg > chg	off
							Impulse	All off
	Capacity	1000	2600	3300	4000		Reflex	All off
	Current	3,0A	6,5A	5,0A	3,5A		Temp Check	All on
IB3800 / VTEC 3800	Peak voltage	4mV/cell					Trickle	off
	Temperature	48°C					dchg > chg	off
							Impulse	All off
	Capacity	1000	3000	3600	4400		Reflex	All off
	Current	3,0A	6,0A	5,0A	3,5A		Temp Check	All on
IB 4200 / IB4200SHV	Peak voltage	3mV/cell					Trickle	off
	Temperature	50°C					dchg > chg	off
							Impulse	All off
	Capacity	1000	3200	3900	4600		Reflex	All off
	Current	3,0A	6,5A	5,0A	3,5A		Temp Check	All on