

	1-cell	2-cell	3-cell	4-cell
Available versions	x			
Input voltage	10-30Vdc			
Step 1 Charge current (orange LED)	3A ±0.25A	2.7A ±0.2A	2.3A ±0.2A	2A ±0.15A
Step 2 Charge voltage	4.2V ±0.1V	8.4V ±0.1V	12.6V ±0.1V	16.8V ±0.1V
Step 2 Current when LED turns to yellow	< 1.15A ±25%	< 1.15A ±25%	< 0.9A ±25%	< 0.85A ±25%
Step 3 Current when LED turns to green, Charge termination	< 0.1A ±25%			
Charge start Vbat<	4.1V +0/-0.2V or mains turn-on	8.2V +0/-0.2V or mains turn-on	12.3V ±0.15V or mains turn-on	16.4V ±0.15V or mains turn-on
Max output power	13W	23W	29W	33W
Leakage current from battery with no input voltage	< 1mA			
Ripple	100mV p-p			
Switch frequency approx.	40kHz.			
Temperature range	-20 til +400C (these values are only for the charger, not for the batteries).			
Storage temperature	-20 til +850C			
Efficiency (100% load 13.5V input)	Ca. 80%.			
Fuse	5A fuse on input cable. Polyswitch fuse at the output protects the unit against wrong polarity.			
EMC standard	EN 61204-3			
Output terminals	Secondary cable with exchangeable plugs.			
IP-grade	IP 41.			
Dimensions	107 x 67 x 36.5mm.			
Weight	250g.			

	5-cell	6-cell	7-cell	8-cell
Available versions	x			
Input voltage	10-30Vdc			
Step 1 Charge current (orange LED)	1.6A ±0.1A	1.4A ±0.1A	1.2A ±0.1A	1.0A ±0.1A
Step 2 Charge voltage	21.0V ±0.1V	25.2V ±0.1V	29.4V ±0.1V	33.6V ±0.1V
Step 2 Current when LED turns to yellow	< 0.7A ±25%	< 0.6A ±25%	< 0.5A ±25%	< 0.4A ±25%
Step 3 Current when LED turns to green, Charge termination	< 0.1A ±25%			
Charge start Vbat<	20.5V ±0.2V or mains turn-on	24.6V ±0.2V or mains turn-on	28.6V ±0.2V or mains turn-on	32.8V ±0.3V or mains turn-on
Max output power	33W	35W	35W	33W
Leakage current from battery with no input voltage	< 1mA			
Ripple	100mV p-p			
Switch frequency approx.	40kHz.			
Temperature range	-20 til +40OC (these values are only for the charger, not for the batteries).			
Storage temperature	-20 til +85OC			
Efficiency (100% load 13.5V input)	Ca. 80%.			
Fuse	5A fuse on input cable. Polyswitch fuse at the output protects the unit against wrong polarity.			
EMC standard	EN 61204-3			
Output terminals	Secondary cable with exchangeable plugs.			
IP-grade	IP 41.			
Dimensions	107 x 67 x 36.5mm.			
Weight	250g.			

	10-cell
Available versions	x
Input voltage	10-30Vdc
Step 1 Charge current (orange LED)	0.8A ±0.1A
Step 2 Charge voltage	42.0V ±0.1V
Step 2 Current when LED turns to yellow	< 0.4A ±25%
Step 3 Current when LED turns to green, Charge termination	< 0.1A ±25%
Charge start Vbat<	41.0V ±0.4V or mains turn-on
Max output power	34W
Leakage current from battery with no input voltage	< 1mA
Ripple	100mV p-p
Switch frequency approx.	40kHz.
Temperature range	-20 til +40OC (these values are only for the charger, not for the batteries).
Storage temperature	-20 til +85OC
Efficiency (100% load 13.5V input)	Ca. 80%.
Fuse	5A fuse on input cable. Polyswitch fuse at the output protects the unit against wrong polarity.
EMC standard	EN 61204-3
Output terminals	Secondary cable with exchangeable plugs.
IP-grade	IP 41.
Dimensions	107 x 67 x 36.5mm.
Weight	250g.