BATTERY CHARGER, 452544-L, LI-ION

SPECIFICATIONS	1 CELL	2 CELLS	3 CELLS	4 CELLS	5 CELLS
Cell-Con part number:	452544-LA	452544-LB	452544-LC	452544-LD	452544-LE
Input voltage:	10-30Vdc				
Step 1 charge current (orange LED):	3A ±0.25A	2.7A ±0.2A	2.3A ±0.2A	2A ±0.15A	1.6A 30.1A
Step 2 charge voltage:	4.2V ±0.1V	8.4V ±0.1V	12.6V ±0.1V	16.8V ±0.1V	21.0V 30.1V
Step 2 current when LED turn to yellow:	<1.15A ±25%	<1.15A ±25%	<0.9A ±25%	<0.85A ±25%	<0.7A 325%
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	20.5V ±0.2V 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 to +40°C (these values are only for the charger, not for the batteries).				
Storage temperature:	-20 to +85°C				
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:	107×67×36.5mm				
Weight:	250g				

CELL-CON
Battery & Charger Solutions

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BATTERY CHARGER, 452544-L, LI-ION

SPECIFICATIONS	6 CELLS	7 CELLS	8 CELLS	10 CELLS
Cell-Con part number:	452544-LF	452544-LG	452544-LH	452544-LJ
Input voltage:	10-30Vdc			
Step 1 charge current (orange LED):	1.4A ±0.1A	1.2A ±0.1A	1.0A ±0.1A	0.8A ±0.1A
Step 2 charge voltage:	25.2V ±0.1V	29.4V ±0.1V	33.6V ±0.1V	42.0V ±0.1V
Step 2 current when LED turn to yellow:	<0.6A ±25%	<0.5A ±25%	<0.4A ±25%	<0.4A ±25%
Step 3 Current when LED turns to green, charge termination:	<0.1A ±25%			
Charge start Vbat<:	24.6V ±0.2V or mains turn-on	28.6V ±0.2V or mains turn-on	32.8V ±0.3V or mains turn-on	41.0V ±0.4V or mains turn-on
Max output power:	33W	35W		33W
Leakage current from battery with no input voltage:	<1mA			
Ripple:	100mV p-p			
Switch frequency approx.:	40kHz			
Temperature range:	-20 to +40°C (these values are only for the charger, not for the batteries).			
Storage temperature:	-20 to +85°C			
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:	107×67×36.5mm			
Weight:	250g			