BATTERY CHARGER, 453240-L, LI-ION

SPECIFICATIONS	1 CELL	2 CELLS	3 CELLS	4 CELLS	5 CELLS	6 CELLS	7 CELLS	8 CELLS
Cell-Con part number:	453240-LA	453240-LB	453240-LC	453240-LD	453240-LE	453240-LF	453240-LG	453240-LH
Input voltage:	110-230VAC							
Line frequency:	47-63Hz							
Max output power:	36W	67W	88W	101W	95W	98W	103W	101W
Ripple:	<100mV p-p							
Efficiency (at 100% load, 230V) approx.:	>85%	>87%	>89%					
Leakage current from battery with mains switched off:	<1mA							
Step 1 charge current:	8.5A +0.1/-0.75A	8.0A +0.3/-0.5A	7.0A +0.3/-0.4A	6.0A +0.1/-0.5A	4.5A +0.3/-0.4A	3.9A +0.2/-0.3A	3.5A +0/-0.4A	3.0A +0.05/-0.3A
Step 2 charge voltage:	4.2V ±0.05	8.4V ±0.1V	12.6V ±0.1V	16.8V ±0.1V	21.0V ±0.1V	25.2V ±0.2V	29.4V ±0.2V	33.6V ±0.2V
- charge current >: Orange - charge current <: Yellow	3.8A ±0.2A	3.5A ±30.2A	3.1A ±0.2A	2.7A ±0.2A	1.9A ±0.2A	1.7A ±0.2A	1.6A ±0.2A	1.4A ±0.2A
Step 3 charge termination (2) <: Green	300mA ±30%							
Charge start Vbat <:	4.1V +0.05/-0.15V or mains turn-on	8.2V ±0.1V r or mains turn-on	12.3V ±0.1V or mains turn-on	16.4V ±0.1Vr or mains turn-on	20.5V ±0.2V or mains turn-on	24.6V ±0.2V or mains turn-on	28.7V ±0.2V or mains turn-on	32.8V ±0.2V or mains turn-on
NTC input on request (10K):	0-45°C normal charge <0 or >45°C reduced charge (LED indication is yellow)							
Switch frequency approx.:	65kHz							
Protection:	Protected against reversed polarity and short circuit proof							
Temperature range:	**Operating:** -25 to +40°C / **Storage:** -25 to +85°C							
Safety:	EN 60601-1 / EN 60335-2-29							
Insulation class:	Class II							
Insulation voltage: primary – secondary:	4000VAC/5700VDC							
EMC standards:	**Medical:** EN 60601-1-2 / **Emission:** EN 61000-6-3 / **Immunity:** EN 61000-6-1							
Mains connection:	2-pins IEC 60320/C8 connector. (Non-detachable mains cord on request).							
Output terminals:	Battery clips or DC connector							
IP-Grade:	IP4X (IP67 on request)							
Dimensions:	160×81×44.3mm							
Weight:	540g (1040g IP67 version)							

CELL-CON
Battery & Charger Solutions

www.cell-con.com
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BATTERY CHARGER, 453240-L, LI-ION

SPECIFICATIONS	9 CELLS	10 CELLS	11 CELLS	12 CELLS	13 CELLS	14 CELLS	15 CELLS	16 CELLS
Cell-Con part number:	453240-LI	453240-LJ	453240-LK	453240-LL	453240-LM	453240-LN	453240-LO	453240-LP
Input voltage:	110-230VAC							
Line frequency:	47-63Hz							
Max output power:	102W	101W	102W	101W	98W	100W	101W	
Ripple:	<100mV p-p							
Efficiency (at 100% load, 230V) approx.:	>89%							
Leakage current from battery with mains switched off:	<1mA							
Step 1 charge current:	2.7A +0/-0.3A	2.4A+0.05/-0.3A	2.2A +0/-0.3A	2.0A +0 /-0.3A	1.8A+0.05/-0.3A	1.7A+0.05/-0.3A	1.6A +0/-0.3A	1.5A +0/-0.3A
Step 2 charge voltage:	37.8V ±0.2V	42.0V ±0.2V	46.2V ±0.2V	50.4V ±0.3V	54.6V ±0.3V	58.8V ±0.3V	63.0V ±0.3V	67.2V ±0.3V
Charge current <: Orange <:Yellow	1.30A ±0.2	1.2A 30.2A	0.90A ±0.2A		0.80A ±0.2A	0.70A ±0.2A	0.60A ±0.2A	
Step 3 charge termination (2) <: Green	300mA ±30%						200mA ±30%	
Float charge voltage:	36.9V ±0.4V or mains turn-on	41.0V ±0.4V or mains turn-on	45.1V ±0.4V or mains turn-on	49.2V ±0.4V or mains turn-on	53.3V ±0.4V or mains turn-on	57.4V ±0.4V or mains turn-on	61.5V ±0.4V or mains turn-on	65.6V ±0.4V or mains turn-on
NTC input on request (10K):	0-45°C normal charge <0 or >45°C reduced charge (LED indication is yellow)							
Switch frequency approx.:	65kHz							
Protection:	Protected against reversed polarity and short circuit proof							
Temperature range:	**Operating:** -25 to +40°C / **Storage:** -25 to +85°C							
Safety:	EN 60601-1 / EN 60335-2-29							
Insulation class:	Class II							
Insulation voltage: primary – secondary:	4000VAC/5700VDC							
EMC standards:	**Medical:** EN 60601-1-2 / **Emission:** EN 61000-6-3 / **Immunity:** EN 61000-6-1							
Mains connection:	2-pins IEC 60320/C8 connector. (Non-detachable mains cord on request).							
Output terminals:	Battery clips or DC connector							
IP-Grade:	IP4X (IP67 on request)							
Dimensions:	160×81×44.3mm							
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