BATTERY CHARGER, 453240-F, LiFePO4

SPECIFICATIONS	1 CELL	2 CELLS	3 CELLS	4 CELLS	5 CELLS	6 CELLS	7 CELLS	8 CELLS
Cell-Con part number:	453240-FA	453240-FB	453240-FC	453240-FD	453240-FE	453240-FF	453240-FG	453240-FH
Input voltage:	110-230VAC							
Line frequency:	47-63Hz							
Max output power:	31W	62W	93W	102W	100W	101W	100W	102W
Ripple:	<100mV p-p							
Efficiency (at 100% load, 230V) approx.:	>85%	>87%	>89%	>89%	>89%			
Leakage current from battery with mains switched off:	<1.3mA							
Step 1. charge current (Orange):	8.5A +0.1/-0.75A	8.5A +0.1/-0.75A	8.5A +0.1/-0.75A	7.0A+0.05/-0.65A	5.5A +0.1/-0.45A	4.6A+0.1/-0.4A	3.9A+0.1/-0.3A	3.5A+0/-0.4A
Step 2. charge voltage:	3.65V ±0.05V	7.3V ±0.1V	10.95V ±0.1V	14.6V ±0.1V	18.25V ±0.2V	21.9V ±0.2V	25.55V ±0.2V	29.2V ±0.2V
- charge current >: Orange <: Yellow:	3.8A ±0.2A	3.5A ±0.2A	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%							
Float charge voltage:	3.5V ±0.05V	7.0V ±0.1V	10.5V ±0.1V	14.0V ±0.1V	17.5V ±0.1V	21.0V ±0.2V	24.5V ±0.2V	28.0V ±0.2V
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 +40oC / **Storage:** -25 to +85oC							
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:	IP41 (IP67 on request)							
Dimensions:	160×81×44.3mm							
Weight:	540g (1040g IP67 version)							

CELL-CON
Battery & Charger Solutions

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SPECIFICATIONS	9 CELLS	10 CELLS	11 CELLS	12 CELLS	13 CELLS	14 CELLS	15 CELLS	16 CELLS
Cell-Con part number:	453240-FI	453240-FJ	453240-FK	453240-FL	453240-FM	453240-FN	453240-FO	453240-FP
Input voltage:	110-230VAC							
Line frequency:	47-63Hz							
Max output power:	102W	102W	96W	101W	102W	102W	99W	99W
Ripple:	<100mV p-p							
Efficiency (at 100% load, 230V) approx.:	0.89		>.89%	0.89				
Leakage current from battery with mains switched off:	<1.3mA	<1.3mA	<1.0mA	<1.3mA				
Step 1. charge current (Orange):	3.1A +0/-0.4A	2.8A +0/-0.3A	2.4A +0.1/-0.3A	2.3A +0.05/-0.3A	2.15A +0/-0.3A	2.0A +0/-0.2A	1.8A+0.05/-0.2A	1.7A +0.05/-0.2A
Step 2. charge voltage:	32.85V ±0.2V	36.5V ±0.3V	40.15V ±0.3V	43.8V ±0.3V	47.45V ±0.3V	51.1V ±0.3V	54.75V ±0.3V	58.4V ±0.3V
- charge current >: Orange <: Yellow:	1.3A ±0.2A	1.2A ±0.2A	1.2A ±0.2A	0.9A ±0.2A	0.8A ±0.2A	0.7A ±0.2A	0.6A ±0.2A	0.6A ±0.2A
Step 3. charge termination (2) < (Green):	300mA ±30%							
Float charge voltage:	31.5V ±0.2V	35.0V ±0.2V	38.5V ±0.4V	42.0V ±0.4V	45.5V ±0.4V	49.0V ±0.4V	52.5V ±0.4V	56.0V ±0.4V
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 +40oC / **Storage:** -25 to +85oC							
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:	IP41 (IP67 on request)							
Dimensions:	160×81×44.3mm							
Weight:	540g (1040g IP67 version)							

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