BATTERY CHARGER, 452240-F, LiFePO4

SPECIFICATIONS	1 CELL	2 CELLS	4 CELLS	5 CELLS	8 CELLS
Cell-Con part number:	452240-FA	452240-FB	452240-FD	452240-FE	452240-FH
Input voltage:	90-264VAC				
Line frequency:	47-63Hz				
Step 1. charge current (Orange):	1.3A +5/-7%		0.9A +5/-7%	0.88A +5/-7%	0.56A +5/-7%
Step 2. charge voltage (Orange):	3.65V ±0.05V	7.30V ±0.1V	14.6V ±0.1V	18.25V ±0.1V	29.2V ±0.1V
Step 3. charge termination I < (Green):	100mA ±25%				
Float charge voltage:	3.50V ±0.15V	7.00V ±0.15V	14.0V ±0.15V	17.5V ±0.15V	28.0V ±0.15V
Max output power:	4.7W	9.5W	13.1W	16.1W	16.35W
Ripple:	<100mV p-p				
Efficiency (at 100% load, 230V) approx.:	51%	70%	78%	81%	82%
Switch frequency approx.:	40kHz				
Leakage current from battery with mains switched off:	≈0				
Protection:	Protected against reversed polarity and short circuit proof				
Temperature range:	**Operating:** -25 til +40oC / **Storage:** -25 til +85oC				
Safety:	EN 60950-1, EN 60601-1, EN 60335-2-29, UL60601-1				
Insulation class:	Class II				
Insulation voltage (primary–secondary):	4000VAC/5640VDC				
EMC standards:	**EMC Med. EN:** 60601-1-2 / **Emission EN:** 61000-6-3 / **Immunity EN:** 6100-6-1				
MTBFat Ta = 30°C and full load: calculated according to MIL – HDBK – 217F	>250,000 hours				
Input terminal:	2-pins IEC 60320 connector				
Output terminals:	Cord with/without plug. Exchangeable plugs available.				
IP-Grade:	4X				
Dimensions:	90×45×32mm				
Weight:	115g				

CELL-CON
Battery & Charger Solutions

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