

SPECIFICATIONS FOR 3845 LI	3845045000 (Input: NTC)	3845040000 NTC & rID=3,9kΩ	3845040000 NTC & rID=10kΩ	3845040000 NTC & rID=24kΩ	3845040000 NTC & rID=52,3kΩ
Available versions	x				
Input voltage: / Line frequency	90 - 264VAC / 47 - 63Hz				
Max output power	6.3W				
Efficiency (at 100% load) approx.:	70%				
Step 0 < 10min Yellow	CC 100mA ± 25mA, when battery voltage < 3V.	CC 40mA ± 10mA (typical), when battery voltage < 3V.	CC 55mA ± 15mA (typical), when battery voltage < 3V.	CC 125mA ± 30mA (typical), when battery voltage < 3V.	CC 200mA ± 50mA (typical), when battery voltage < 3V.
Step 0 > 10min Red (4 blinks)	0A / 0V				
Step 1 (Constant Current) Yellow	CC 1.5A ± 0.1A, when 3V < Vbat < 4.2V.	CC 0.45A ± 50mA, when 3V < Vbat < 4.2V.	CC 0.85A ± 0.1A, when 3V < Vbat < 4.2V.	CC 1.5A ± 0.15A, when 3V < Vbat < 4.2V.	
Step 2 (Constant Voltage) Flashing Yellow	CV 4.2V ± 0.05V, til Icharge < 100mA or max. 1h.	CV 4.2V ± 0.05V, until I charge < 25mA or max. 1h.	CV 4.2V ± 0.05V, until I charge < 55mA or max. 1h.	CV 4.2V ± 0.05V, until I charge < 125mA or max. 1h.	CV 4.2V ± 0.05V, until I charge < 260mA or max. 1h.
Charge timer (step2, CV)	1h				
Safety timer (all steps) Red (5 blinks)	72h				
Step 3 (Charge Completed) Green	0A				
Restart voltage	4.1V				
Formation Charge (Step 0)	Low current start-up of deeply discharged battery.				
Wake-up of deeply discharged battery.	Yes, will apply voltage which deactivates deep discharge protection in battery pack.				
Indication when "Battery not connected"	Flashing Green (1s/1s)				
NTC input, on request (std is 10kohm, B-value 3435)	0 – 45 °C: Normal charge. Battery temperature < 0 °C (too cold) or > 45°C (too hot): No charge, wait until temp. is OK.				
Ripple Measured on PCB/Battery:	< 40mVp-p/< 25mVp-p				
Rec. battery capacity:	1,5Ah (1C) to 15Ah (cut off current as EoC) or up to 60Ah (CV Timer as EoC)	0,45Ah (1C) to 2.5Ah (cut off current as EoC) or up to 18Ah (CV Timer as EoC)	0,85Ah (1C) to 5.5Ah (cut off current as EoC) or up to 34Ah (CV Timer as EoC)	1,5Ah (1C) to 12.5Ah (cut off current as EoC) or up to 60Ah (CV Timer as EoC)	1,5Ah (1C) to 26Ah (cut off current as EoC) or up to 60Ah (CV Timer as EoC)
No load consumption	< 0,5 W				
Switch frequency approx.:	55kHz				
Leakage current from battery with mains switched off:	< 300 µA at nominal battery voltage (< 0.22 Ah/month)				
Protection:	Protected against reversed polarity. Error Indication: Red (2 blinks) Short circuit proof. Error Indication: Red (3 blinks) Charging of wrong lower voltage battery pack will be limited to 100mA and terminated after 10min. Indication: Red (4 blinks) Safety timer. Error Indication: Red (5 blinks) No charge (or charge terminated) if connecting wrong battery pack with higher voltage. Indication: LED is OFF.				
Temperature range:	Operating: -25 to +40oC. Storage: -25 to +85oC				
Safety:	Medical EN 60601-1 / Home Healthcare EN 60601-1-11 (VNOM≥110VAC) / Battery Charger EN 60335-2-29 / A/V and Comm. tech: EN/IEC/UL 62368-1				
Insulation class :	Class II				
Insulation voltage: Primary – secondary:	4000VAC / 5700VDC				
EMC standards:	EN 55014-1 and –2, EN 61000-6-3, EN 61000-6-1, EN 60601-1-2				
Input terminal:	2-pins IEC 320 connector for exchangeable mains plug (EU, US, UK and AUS).				
Output terminals:	Cord with/without plug. Exchangeable plugs available.				
IP-Grade:	4X				
Dimensions:	108,5 × 49 × 29,3 mm				
Weight:	150g				