

SPECIFICATIONS FOR 3745 LI	3 ,9kΩ	10kΩ	24kΩ	52 , 3kΩ
Battery Pack:	VARTA EasyPack S	VARTA EasyPack L	VARTA EasyPack XL	VARTA EasyPack Plus
Available versions	x	x	x	x
Max output power	1.9W	3.6W	6.3W	6.3W
Efficiency (at 100% load) approx.:	0.64	0.68	0.7	0.7
Step 0 < 10min Yellow	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	0A / 0V	0A / 0V	0A / 0V
Step 1 (Constant Current) Yellow	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.	CC 1.5A ± 0.15A, when 3V < Vbat < 4.2V.
Step 2 (Constant Voltage) Flashing Yellow	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	1h	1h	1h
Safety timer (all steps) Red (5 blinks)	6h	6h	6h	6h
Step 3 (Charge Completed) Green	0A	0A	0A	0A
Restart voltage	4.1V	4.1V	4.1V	4.1V
Input voltage: / Line frequency	90 - 264VAC / 47 - 63Hz	90 - 264VAC / 47 - 63Hz	90 - 264VAC / 47 - 63Hz	90 - 264VAC / 47 - 63Hz
Formation Charge (Step 0)	Low current start-up of deeply discharged battery.	Low current start-up of deeply discharged battery.	Low current start-up of deeply discharged battery.	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.	Yes, will apply voltage which deactivates deep discharge protection in battery pack.	Yes, will apply voltage which deactivates deep discharge protection in battery pack.	Yes, will apply voltage which deactivates deep discharge protection in battery pack.
Indication when “Battery not connected”	Flashing Green (1s/1s)	Flashing Green (1s/1s)	Flashing Green (1s/1s)	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.	0 – 45 °C: Normal charge. Battery temperature < 0 °C (too cold) or > 45°C (too hot): No charge, wait until temp. is OK.	0 – 45 °C: Normal charge. Battery temperature < 0 °C (too cold) or > 45°C (too hot): No charge, wait until temp. is OK.	0 – 45 °C: Normal charge. Battery temperature < 0 °C (too cold) or > 45°C (too hot): No charge, wait until temp. is OK.
Ripple:	< 100mV p-p	< 100mV p-p	< 100mV p-p	< 100mV p-p
Switch frequency approx.:	55kHz	55kHz	55kHz	55kHz
Leakage current from battery with mains switched off:	< 300 µA at nominal battery voltage (< 0.22 Ah/month)	< 300 µA at nominal battery voltage (< 0.22 Ah/month)	< 300 µA at nominal battery voltage (< 0.22 Ah/month)	< 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.	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.	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.	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	Operating: -25 to +40oC. Storage: -25 to +85oC	Operating: -25 to +40oC. Storage: -25 to +85oC	Operating: -25 to +40oC. Storage: -25 to +85oC
Safety:	Medical EN 60601-1 / Battery Charger EN 60335-2-29	Medical EN 60601-1 / Battery Charger EN 60335-2-29	Medical EN 60601-1 / Battery Charger EN 60335-2-29	Medical EN 60601-1 / Battery Charger EN 60335-2-29
Insulation class :	Class II	Class II	Class II	Class II
Insulation voltage: Primary – secondary:	4000VAC / 5700VDC	4000VAC / 5700VDC	4000VAC / 5700VDC	4000VAC / 5700VDC
EMC standards:	EN 55014-1 and –2, EN 61000-6-3, EN 61000-6-1, EN 60601-1-2	EN 55014-1 and –2, EN 61000-6-3, EN 61000-6-1, EN 60601-1-2	EN 55014-1 and –2, EN 61000-6-3, EN 61000-6-1, EN 60601-1-2	EN 55014-1 and –2, EN 61000-6-3, EN 61000-6-1, EN 60601-1-2
Input terminal:	2-pins IEC 320 connector, C8.	2-pins IEC 320 connector, C8.	2-pins IEC 320 connector, C8.	2-pins IEC 320 connector, C8.
Output terminals:	Battery docking	Battery docking	Battery docking	Battery docking
IP-Grade:	4X	4X	4X	4X
Dimensions:	115 × 56 × 35 mm	115 × 56 × 35 mm	115 × 56 × 35 mm	115 × 56 × 35 mm
Weight:	175g	175g	175g	175g