SPECIFICATIONS FOR 2542 LI

	1 Cell	2 Cells	3 Cells	4 Cells
Available versions	x			
Input voltage	90 - 264VAC			
Line frequency	47 - 63Hz			
Step 1 Charge current	2.7A ±0.1A	2.7A ±0.1A	2.3A ±0.1A	2.0A ±0.1A
Step 2 Charge voltage	4.2V ±0.05V	8.4V ±0.1V	12.6V ±0.1V	16.8V ±0.1V
- Charge current >: Orange - Charge current <: Yellow	1.15A ±0.1A	1.15A ±0.1A	1.00A ±0.1A	0.85A ±0.1A
Step 3 Charge termination I <	100mA			
Charge start Vbat <	4.0V ±0.1V or mains turn-on	8.0V ±0.1V or mains turn-on	12.1V ±0.1V or mains turn-on	16.2V ±0.1V or mains turn-on
Max output power	11W	23W	29W	34W
Ripple	<100mV p-p			
Efficiency (at 100% load, 230V) approx.	0.63	0.78	0.83	0.84
Switch frequency approx.	40kHz			
Leakage current from battery with mains switched off	<250µA			
Protection	Protected against reversed polarity and short circuit proof			
Temperature range	Operating: ÷25 to +40oC / Storage: ÷25 to +85oC			
Safety	EN 62368-1, EN 60601-1, EN 60335-2-29			
Insulation class	Class II			
Insulation voltage: Primary – secondary	4000VAC / 5656VDC			
EMC standards	Med. EN 60601-1-2 / Emission EN 61000-6-3 / Immunity EN 61000-6-1			
MTBF at Ta = 30oC and full load: Calculated according to MIL – HDBK – 217F	>250 000 hours			
Mains connection	2-pins IEC 60320 connector. (Exchangeable mains plugs EU, UK, US, AU available on type 2542).			
Output terminals	Cord with/without plug. Exchangeable plugs available.			
IP-Grade	41			
Dimensions	107 x 67 x 37mm (117 × 75 × 44mm for type 2542)			
Weight	250g (280g for type 2542)			

SPECIFICATIONS FOR 2542 LI

	5 Cells	6 Cells	7 Cells	8 Cells
Available versions	x			
Input voltage	90 - 264VAC			
Line frequency	47 - 63Hz			
Step 1 Charge current	1.6A ±0.1A	1.4A ±0.1A	1.2A ±0.1A	1.0A ±0.1A
Step 2 Charge voltage	21.0V ±0.1V	25.2V ±0.1V	29.4V ±0.1V	33.6V ±0.1V
- Charge current >: Orange - Charge current <: Yellow	0.70A ±0.1A	0.60A ±0.1A	0.50A ±0.1A	0.40A ±0.1A
Step 3 Charge termination I <	100mA			
Charge start Vbat <	20.3V ±0.1V or mains turn-on	24.4V ±0.1V or mains turn-on	28.5V ±0.1V or mains turn-on	32.6V ±0.1V or mains turn-on
Max output power	34W	35W	35W	34W
Ripple	<100mV p-p			
Efficiency (at 100% load, 230V) approx.	0.85	0.87	0.87	0.85
Switch frequency approx.	40kHz			
Leakage current from battery with mains switched off	<250µA			
Protection	Protected against reversed polarity and short circuit proof			
Temperature range	Operating: ÷25 to +40oC / Storage: ÷25 to +85oC			
Safety	EN 62368-1, EN 60601-1, EN 60335-2-29			
Insulation class	Class II			
Insulation voltage: Primary – secondary	4000VAC / 5656VDC			
EMC standards	Med. EN 60601-1-2 / Emission EN 61000-6-3 / Immunity EN 61000-6-1			
MTBF at Ta = 30oC and full load: Calculated according to MIL – HDBK – 217F	>250 000 hours			
Mains connection	2-pins IEC 60320 connector. (Exchangeable mains plugs EU, UK, US, AU available on type 2542).			
Output terminals	Cord with/without plug. Exchangeable plugs available.			
IP-Grade	41			
Dimensions	107 x 67 x 37mm (117 × 75 × 44mm for type 2542)			
Weight	250g (280g for type 2542)			

SPECIFICATIONS FOR 2542 LI

	9-cell	10-cell	11-cell	12-cell
Available versions		x		x
Input voltage	90 - 264VAC			
Line frequency	47 - 63Hz			
Step 1 Charge current	0.9A ±0.1A	0.8A ±0.1A	0.7A ±0.1A	0.7A ±0.1A
Step 2 Charge voltage	37.8V ±0.2V	42.0V ±0.2V	46.2V ±0.2V	50.4V ±0.3V
- Charge current >: Orange - Charge current <: Yellow	0.35A ±0.1A	0.35A ±0.1A	0.30A ±0.1A	0.30A ±0.1A
Step 3 Charge termination I <	100mA			
Charge start Vbat <	36.9V ±0.4V or mains turn-on	40.7V ±0.4V or mains turn-on	44.8V ±0.4V or mains turn-on	48.9V ±0.4V or mains turn-on
Max output power	34W	34W	32W	35W
Ripple	<100mV p-p			
Efficiency (at 100% load, 230V) approx.	0.85			
Switch frequency approx.	40kHz			
Leakage current from battery with mains switched off	<250µA			
Protection	Protected against reversed polarity and short circuit proof			
Temperature range	Operating: ÷25 to +40oC / Storage: ÷25 to +85oC			
Safety	EN 62368-1, EN 60601-1, EN 60335-2-29			
Insulation class	Class II			
Insulation voltage: Primary – secondary	4000VAC / 5656VDC			
EMC standards	Med. EN 60601-1-2 / Emission EN 61000-6-3 / Immunity EN 61000-6-1			
MTBF at Ta = 30oC and full load: Calculated according to MIL – HDBK – 217F	>250 000 hours			
Mains connection	2-pins IEC 60320 connector. (Exchangeable mains plugs EU, UK, US, AU available on type 2542).			
Output terminals	Cord with/without plug. Exchangeable plugs available.			
IP-Grade	41			
Dimensions	107 x 67 x 37mm (117 × 75 × 44mm for type 2542)			
Weight	250g (280g for type 2542)			

SPECIFICATIONS FOR 2542 LI

	13-cell	14-cell
Available versions		x
Input voltage	90 - 264VAC	
Line frequency	47 - 63Hz	
Step 1 Charge current	0.6A ±0.08A	
Step 2 Charge voltage	54.6V ±0.3V	58.8V ±0.3V
- Charge current >: Orange - Charge current <: Yellow	0.25A ±0.05A	
Step 3 Charge termination I <	100mA	
Charge start Vbat <	53.0V ±0.4V or mains turn-on	57.1V ±0.4V or mains turn-on
Max output power	33W	35W
Ripple	<100mV p-p	
Efficiency (at 100% load, 230V) approx.	0.85	
Switch frequency approx.	40kHz	
Leakage current from battery with mains switched off	<250µA	
Protection	Protected against reversed polarity and short circuit proof	
Temperature range	Operating: ÷25 to +40oC / Storage: ÷25 to +85oC	
Safety	EN 62368-1, EN 60601-1, EN 60335-2-29	
Insulation class	Class II	
Insulation voltage: Primary – secondary	4000VAC / 5656VDC	
EMC standards	Med. EN 60601-1-2 / Emission EN 61000-6-3 / Immunity EN 61000-6-1	
MTBF at Ta = 30oC and full load: Calculated according to MIL – HDBK – 217F	>250 000 hours	
Mains connection	2-pins IEC 60320 connector. (Exchangeable mains plugs EU, UK, US, AU available on type 2542).	
Output terminals	Cord with/without plug. Exchangeable plugs available.	
IP-Grade	41	
Dimensions	107 x 67 x 37mm (117 × 75 × 44mm for type 2542)	
Weight	250g (280g for type 2542)	