

SPECIFICATIONS FOR 2542 LI	1 Cell	2 Cells	3 Cells	4 Cells	5 Cells	6 Cells	7 Cells
Available versions	x						
Input voltage:	90 - 264VAC						
Line frequency:	47 - 63Hz						
Charge control: Charge indication:							
Step 1 Charge current:	2.7A ±0.1A		2.3A ±0.1A	2.0A ±0.1A	1.6A ±0.1A	1.4A ±0.1A	1.2A ±0.1A
Step 2 Charge voltage:	4.2V ±0.05V	8.4V ±0.1V	12.6V ±0.1V	16.8V ±0.1V	21.0V ±0.1V	25.2V ±0.1V	29.4V ±0.1V
- Charge current >: Orange - Charge current <: Yellow	1.15A ±0.1A		1.00A ±0.1A	0.85A ±0.1A	0.70A ±0.1A	0.60A ±0.1A	0.50A ±0.1A
Step 3 Charge termination I <:	100mA						
Charge start Vbat <:	4.0V ±0.1V	8.0V ±0.1V	12.1V ±0.1V	16.2V ±0.1V	20.3V ±0.1V	24.4V ±0.1V	28.5V ±0.1V
null	or mains turn-on						
Max output power:	11W	23W	29W	34W		35W	
Ripple:	<100mV p-p						
Efficiency (at 100% load, 230V) approx.:	0.63	0.78	0.83	0.84	0.85	0.87	
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	8 Cells	9-cell	10-cell	11-cell	12-cell	13-cell	14-cell
Available versions	x		x		x		x
Input voltage:	90 - 264VAC						
Line frequency:	47 - 63Hz						
Step 1 Charge current:	1.0A ±0.1A	0.9A ±0.1A	0.8A ±0.1A	0.7A ±0.1A		0.6A ±0.08A	47 - 63Hz
Charge control: Charge indication:							90 - 264VAC
Step 2 Charge voltage:	33.6V ±0.1V	37.8V ±0.2V	42.0V ±0.2V	46.2V ±0.2V	50.4V ±0.3V	54.6V ±0.3V	
- Charge current >: Orange - Charge current <: Yellow	0.40A ±0.1A	0.35A ±0.1A		0.30A ±0.1A		0.25A ±0.05A	58.8V ±0.3V
Step 3 Charge termination I <:	100mA						0.25A ±0.05A
Charge start Vbat <:	32.6V ±0.1V	36.9V ±0.4V	40.7V ±0.4V	44.8V ±0.4V	48.9V ±0.4V	53.0V ±0.4V	
null	or mains turn-on						100mA
Max output power:	34W			32W	35W	33W	57.1V ±0.4V
Ripple:	<100mV p-p						or mains turn-on
Efficiency (at 100% load, 230V) approx.:	0.85						35W
Switch frequency approx.:	40kHz						<100mV p-p
Leakage current from battery with mains switched off:	<250µA						0.85
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						
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