

SPECIFICATIONS FOR 2542 LiFe	1 Cell	2 Cells	3 Cells	4 Cells	5 Cells	6 Cells	7 Cells	8 Cells
Available versions	x							
Input voltage:	90 - 264VAC							
Line frequency:	47 - 63Hz							
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	1.0A ±0.1A
Step 2 Charge voltage:	3.65V ±0.05V	7.3V ±0.1V	10.95V ±0.1V	14.6V ±0.1V	18.3V ±0.1V	21.9V ±0.1V	25.6V ±0.1V	29.2V ±0.1V
- Charge current >: Orange - Charge current <: Yellow	1.15A ±0.1A		1.0A ±0.1A	0.85A ±0.1A	0.7A ±0.1A	0.6A ±0.1A	0.5A ±0.1A	0.40A ±0.1A
Step 3 Charge termination I <: Green	100mA							
Float charge voltage:	3.5V ±0.05V	7.0V ±0.1V	10.5V ±0.1V	14.0V ±0.1V	17.5V ±0.1V	21.0V ±0.1V	24.5V ±0.1V	28.0V ±0.1V
Max output power:	10W	20W	25W	30W	29W	31W		30W
Ripple:	<100mV p-p							
Efficiency (at 100% load, 230V) approx.:	60%	78%	80%	82%	84%	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 LiFe	9-cell	10-cell	11-cell	12-cell	13-cell	14-cell	15-cell	16-cell
Available versions				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		0.6A ±0.08A			
Step 2 Charge voltage:	32.9V ±0.1V	36.5V ±0.1V	40.2V ±0.2V	43.8V ±0.2V	47.5V ±0.2V	51.1V ±0.3V	54.8V ±0.3V	58.4V ±0.3V
- Charge current >: Orange - Charge current <: Yellow	0.35A ±0.1A		0.30A ±0.1A		0.25A ±0.05A			
Step 3 Charge termination I <: Green	100mA							
Float charge voltage:	31.5V ±0.4V	35.0V ±0.4V	38.5V ±0.4V	42.0V ±0.4V	45.5V ±0.4V	49.0V ±0.4V	52.5V ±0.4V	56.0V ±0.4V
Max output power:	30W	29W	28W	31W	29W	31W	33W	35W
Ripple:	<100mV p-p							
Efficiency (at 100% load, 230V) approx.:	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							
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