

	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	3.65V ±0.05V	7.3V ±0.1V	10.95V ±0.1V	14.6V ±0.1V
- Charge current >: Orange - Charge current <: Yellow	1.15A ±0.1A	1.15A ±0.1A	1.0A ±0.1A	0.85A ±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
Max output power	10W	20W	25W	30W
Ripple	<100mV p-p			
Efficiency (at 100% load, 230V) approx.	0.6	0.78	0.8	0.82
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 x 75 x 44mm for type 2542)			
Weight	250g (280g for type 2542)			

	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	18.3V ±0.1V	21.9V ±0.1V	25.6V ±0.1V	29.2V ±0.1V
- Charge current >: Orange - Charge current <: Yellow	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	17.5V ±0.1V	21.0V ±0.1V	24.5V ±0.1V	28.0V ±0.1V
Max output power	29W	31W	31W	30W
Ripple	<100mV p-p			
Efficiency (at 100% load, 230V) approx.	0.84	0.85	0.85	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 x 75 x 44mm for type 2542)			
Weight	250g (280g for type 2542)			

	9-cell	10-cell	11-cell	12-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	0.7A ±0.1A
Step 2 Charge voltage	32.9V ±0.1V	36.5V ±0.1V	40.2V ±0.2V	43.8V ±0.2V
- 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 <: Green	100mA			
Float charge voltage	31.5V ±0.4V	35.0V ±0.4V	38.5V ±0.4V	42.0V ±0.4V
Max output power	30W	29W	28W	31W
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 x 75 x 44mm for type 2542)			
Weight	250g (280g for type 2542)			

	13-cell	14-cell	15-cell	16-cell
Available versions				
Input voltage	90 - 264VAC			
Line frequency	47 - 63Hz			
Step 1 Charge current	0.6A ±0.08A			
Step 2 Charge voltage	47.5V ±0.2V	51.1V ±0.3V	54.8V ±0.3V	58.4V ±0.3V
- Charge current >: Orange - Charge current <: Yellow	0.25A ±0.05A			
Step 3 Charge termination I <: Green	100mA			
Float charge voltage	45.5V ±0.4V	49.0V ±0.4V	52.5V ±0.4V	56.0V ±0.4V
Max output power	29W	31W	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 x 75 x 44mm for type 2542)			
Weight	250g (280g for type 2542)			