

SPECIFICATIONS FOR 2440 LiFe	1 Cell	2 Cells	3 Cells	4 Cells	5 Cells	6 Cells	7 Cells	8 Cells
Available versions		x		x				x
Input voltage:	90 - 264VAC							
Line frequency:	47 - 63Hz							
Max output power:	15W	29W	44W	58W	71W	72W	73W	
Ripple:	<100mV p-p							
Efficiency (at 100% load, 230V) approx.:	>60%	>77%	>80%	>81%	>85%			>87%
Leakage current from battery with mains switched off:	<0.4mA @3.2V	<0.4mA @6.4V	<0.7mA @9.6V	<0.7mA @12.8V	<0.7mA @16.0V	<0.7mA @19.2V	<0.7mA @22.4V	<0.8mA @25.6V
Step 1 Charge current:	4.0A ±0.2A				3.9A ±0.2A	3.3A ±0.1A	2.8A ±0.1A	2.5A ±0.1A
Step 2 Charge voltage:	3.65V ±0.05V	7.3V ±0.1V	10.95V ±0.1V	14.6V ±0.1V	18.25V ±0.1V	21.9V ±0.2V	25.55V ±0.2V	29.2V ±0.2V
- Charge current >: Orange - Charge current <: Yellow	1.8A ±0.2A	1.8A ±0.1A		1.6A ±0.1A			0.8A ±0.1A	
Step 3 Charge termination I <: Green	300mA						300mA ±25%	300mA
Float charge voltage:	3.5V ±0.05V	7.0V ±0.1V	10.5V ±0.1V	14.0V ±0.1V	17.5V ±0.2V	21.0V ±0.2V	24.5V ±0.2V	28.0V ±0.2V
NTC input on request (10K):	0-45°C normal charge <0 or >45°C reduced charge (LED indication is yellow)							
Switch frequency approx.:	40kHz							
Protection:	Protected against reversed polarity and short circuit proof							
Temperature range:	Operating: ÷25 to +40oC / Storage: ÷25 to +85oC							
Safety:	Medical EN 60601-1 / Home Healthcare EN 60601-1-11 / Battery Charger EN 60335-2-29							
Insulation class :	Class II. (Class I on request)							
Insulation voltage: Primary – secondary:	4000VAC / 5700VDC							
EMC standards:	Med. EN 60601-1-2 / Emission EN 61000-6-3 / Immunity EN 61000-6-1							
Mains connection:	2-pins IEC 60320/C8 connector. (3-pins IEC 60320/C14 connector or non-detachable mains cord on request)							
Output terminals:	Battery clips or DC connector.							
IP-Grade:	IP4X (IP67 on request).							
Dimensions:	135 x 80 x 44mm							
Weight:	390g (890g IP67 version)							

SPECIFICATIONS FOR 2440 LiFe	9-cell	10-cell	11-cell	12-cell	13-cell	14-cell	15-cell	16-cell
Available versions			x					x
Input voltage:	90 - 264VAC							
Line frequency:	47 - 63Hz							
Max output power:	72W	71W	72W		71W	72W	71W	70W
Ripple:	<100mV p-p							
Efficiency (at 100% load, 230V) approx.:	>85%	>87%						
Leakage current from battery with mains switched off:	<1.5mA @28.8V	<1.5mA @32.0V	<1.5mA @35.2V	<1.5mA @38.4V	<1.5mA @41.6V	<1.5mA @44.8V	<1.5mA @48.0V	<1.5mA @51.2V
Step 1 Charge current:	2.2A ±0.2A	1.95A ±0.1A	1.8A ±0.1A	1.65A ±0.1A	1.5A ±0.1A	1.4A ±0.1A	1.3A ±0.1A	1.2A ±0.1A
Step 2 Charge voltage:	32.85V ±0.2V	36.5V ±0.2V	40.15V ±0.2V	43.8V ±0.3V	47.45V ±0.3V	51.1V ±0.3V	54.75V ±0.3V	58.4V ±0.3V
- Charge current >: Orange - Charge current <: Yellow	0.8A ±0.1A			0.6A ±0.1A				
Step 3 Charge termination I <: Green	200mA				100mA			
Float charge voltage:	31.5V ±0.2V	35.0V ±0.2V	38.5V ±0.2V	42.0V ±0.3V	45.5V ±0.3V	49.0V ±0.3V	52.5V ±0.3V	56.0V ±0.3V
NTC input on request (10K):	0-45°C normal charge <0 or >45°C reduced charge (LED indication is yellow)							
Switch frequency approx.:	40kHz							
Protection:	Protected against reversed polarity and short circuit proof							
Temperature range:	Operating: ÷25 to +40oC / Storage: ÷25 to +85oC							
Safety:	Medical EN 60601-1 / Home Healthcare EN 60601-1-11 / Battery Charger EN 60335-2-29							
Insulation class :	Class II. (Class I on request)							
Insulation voltage: Primary – secondary:	4000VAC / 5700VDC							
EMC standards:	Med. EN 60601-1-2 / Emission EN 61000-6-3 / Immunity EN 61000-6-1							
Mains connection:	2-pins IEC 60320/C8 connector. (3-pins IEC 60320/C14 connector or non-detachable mains cord on request)							
Output terminals:	Battery clips or DC connector.							
IP-Grade:	IP4X (IP67 on request).							
Dimensions:	135 x 80 x 44mm							
Weight:	390g (890g IP67 version)							