

SPECIFICATIONS FOR 2840 LiFe	1-cell	2-cell	3-cell	4-cell	5-cell	6-cell	7-cell	8-cell
Available versions:				x				x
Input voltage:	198-264VAC							
Line frequency:	47 - 63Hz							
Max output power:	31W	62W	93W	102W	100W	101W	100W	102W
Ripple:	<100mV p-p							
Efficiency (at 100% load, 230V) approx.:	>85%	>87%	>89%					
Leakage current from battery with mains switched off:	<1.3mA							
Step 1 Charge current: Orange	8.5A +0.1/-0.75A	8.5A+0.1/-0.75A	8.5A +0.1/-0.75A	7.0A+0.05/-0.65A	5.5A+0.1/-0.45A	4.6A+0.1/-0.4A	3.9A +0.1/-0.3A	3.5A +0/-0.4A
Step 2 Charge voltage:	3.65V ±0.05V	7.3V ±0.1V	10.95V ±0.1V	14.6V ±0.1V	18.25V ±0.2V	21.9V ±0.2V	25.55V ±0.2V	29.2V ±0.2V
- Charge current >: Orange <: Yellow	3.8A ±0.2A	3.5A ±0.2A	3.1A ±0.2A	2.7A ±0.2A	1.9A ±0.2A	1.7A ±0.2A	1.6A ±0.2A	1.4A ±0.2A
Step 3 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 ±0.2V	24.5V ±0.2V	28.0V ±0.2V
- Charge current <: Green	300mA ±30%							
NTC input on request (10K):	0-45°C normal charge <0 or >45°C reduced charge (LED indication is yellow)							
Switch frequency approx.:	65kHz							
Protection:	Protected against reversed polarity and short circuit proof							
Temperature range:	Operating: ÷25 to +40oC / Storage: ÷25 to +85oC							
Safety:	EN 60601-1, EN 60335-2-29							
Insulation class :	Class II							
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. (Non-detachable mains cord on request)							
Output terminals:	Battery clips or DC connector.							
IP-Grade:	IP41 (IP67 on request).							
Dimensions:	135 × 80 × 44mm							
Weight:	480g (980g IP67 version)							

SPECIFICATIONS FOR 2840 LiFe	9-cell	10-cell	11-cell	12-cell	13-cell	14-cell	15-cell	16-cell
Available versions:		x			x			
Input voltage:	198-264VAC							
Line frequency:	47 - 63Hz							
Max output power:	102W		96W	101W	102W		99W	
Ripple:	<100mV p-p							
Efficiency (at 100% load, 230V) approx.:	>89%							
Leakage current from battery with mains switched off:	<1.3mA							
Step 1 Charge current: Orange	3.1A +0/-0.4A	2.8A +0/-0.3A	2.5A +0/-0.3A	2.3A +0.05/-0.3A	2.15A +0/-0.3A	2.0A +0/-0.2A	1.8A +0.05/-0.2A	1.7A +0.05/-0.2A
Step 2 Charge voltage:	32.85V ±0.2V	36.5V ±0.3V	40.15V ±0.3V	43.8V ±0.3V	47.45V ±0.3V	51.1V ±0.3V	54.75V ±0.3V	58.4V ±0.3V
- Charge current >: Orange <: Yellow	1.3A ±0.2A	1.2A ±0.2A		0.9A ±0.2A	0.8A ±0.2A	0.7A ±0.2A	0.6A ±0.2A	
Step 3 Float charge voltage:	31.5V ±0.2V	35.0V ±0.2V	38.5V ±0.4V	42.0V ±0.4V	45.5V ±0.4V	49.0V ±0.4V V	52.5V ±0.4V	56.0V ±0.4V
- Charge current <: Green	300mA ±30%							
NTC input on request (10K):	0-45°C normal charge <0 or >45°C reduced charge (LED indication is yellow)							
Switch frequency approx.:	65kHz							
Protection:	Protected against reversed polarity and short circuit proof							
Temperature range:	Operating: ±25 to +40oC / Storage: ±25 to +85oC							
Safety:	EN 60601-1, EN 60335-2-29							
Insulation class :	Class II							
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. (Non-detachable mains cord on request)							
Output terminals:	Battery clips or DC connector.							
IP-Grade:	IP41 (IP67 on request).							
Dimensions:	135 × 80 × 44mm							
Weight:	480g (980g IP67 version)							