

SPECIFICATIONS FOR 2840 LI	1-cell Li-Ion	2-cell Li-Ion	3-cell Li-Ion	4-cell Li-Ion	5-cell Li-Ion	6-cell Li-Ion	7-cell Li-Ion	8-cell Li-Ion	9-cell Li-Ion
Available versions:	x								
Input voltage:	198-264VAC								
Line frequency:	47 - 63Hz								
Max output power:	36W	67W	88W	101W	95W	98W	103W	101W	102W
Ripple:	<100mV p-p								
Efficiency (at 100% load, 230V) approx.:	>85%	>87%	>89%						
Leakage current from battery with mains switched off:	<1mA								
Step 1 Charge current: Orange	8.5A +0.1/-0.75A	8.0A +0.3/-0.5A	7.0A +0.3/-0.4A	6.0A +0.1/-0.5A	4.5A +0.3/-0.4A	3.9A +0.2/-0.3A	3.5A +0/-0.4A	3.0A +0.05/-0.3A	2.7A +0/-0.3A
Step 2 Charge voltage:	4.2V ±0.05V	8.4V ±0.1V	12.6V ±0.1V	16.8V ±0.1V	21.0V ±0.2V	25.2V ±0.2V	29.4V ±0.2V	33.6V ±0.2V	37.8V ±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 Charge termination (2) <: Green	300mA ±30%								
Charge start Vbat <:	4.1V +0.05/-0.15V or mains turn-on	8.2V ±0.1V or mains turn-on	12.3V ±0.1V or mains turn-on	16.4V ±0.1V or mains turn-on	20.5V ±0.2V or mains turn-on	24.6V ±0.2V or mains turn-on	28.7V ±0.2V or mains turn-on	32.8V ±0.2V or mains turn-on	36.9V ±0.4V or mains turn-on
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 LI	10-cell Li-Ion	11-cell Li-Ion	12-cell Li-Ion	13-cell Li-Ion	14-cell Li-Ion	15-cell Li-Ion	16-cell Li-Ion
Available versions:	x						
Input voltage:	198-264VAC						
Line frequency:	47 - 63Hz						
Max output power:	101W	102W	101W	98W	100W	101W	
Ripple:	<100mV p-p						
Efficiency (at 100% load, 230V) approx.:	>89%						
Leakage current from battery with mains switched off:	<1mA						
Step 1 Charge current: Orange	2.4A+0.05/-0.3A	2.2A +0/-0.3A	2.0A +0 /-0.3A	1.8A+0.05/-0.3A	1.7A+0.05/-0.3A	1.6A +0/-0.3A	1.5A +0/-0.3A
Step 2 Charge voltage:	42.0V ±0.2V	46.2V ±0.2V	50.4V ±0.3V	54.6V ±0.3V	58.8V ±0.3V	63.0V ±0.3V	67.2V ±0.3V
- Charge current >: Orange <: Yellow							
Step 3 Charge termination (2) <: Green	300mA ±30%					200mA ±30%	
Charge start Vbat <:	41.0V ±0.4V or mains turn-on	45.1V ±0.4V or mains turn-on	49.2V ±0.4V or mains turn-on	53.3V ±0.4V or mains turn-on	57.4V ±0.4V or mains turn-on	61.5V ±0.4V or mains turn-on	65.6V ±0.4V or mains turn-on
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)						