SPECIFICATIONS FOR 2240 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
Available versions	x	x	x	x	x	x	x
Input voltage:	90 - 264VAC	90 - 264VAC	90 - 264VAC	90 - 264VAC	90 - 264VAC	90 - 264VAC	90 - 264VAC
Line frequency:	47 - 63Hz	47 - 63Hz	47 - 63Hz	47 - 63Hz	47 - 63Hz	47 - 63Hz	47 - 63Hz
Step 1. Charge current: Orange	1.3A +5/-7%	1.3A +5/-7%	1.2A +5/-7%	0.9A +5/-7%	0.7A +5/-7%	0.6A +5/-7%	0.56A +5/-7%
Step 2. Charge voltage: Orange	4.2V ±0.05V	8.4V ±0.1V	12.6V ±0.1V	16.8V ±0.1V	21.0V +0.1/-0.15	25.2V +0.1/-0.15	29.4V ±0.10V
Step 3. Charge termination I <: Green	100mA ±25%	100mA ±25%	100mA ±25%	100mA ±25%	100mA ±25%	100mA ±25%	100mA ±25%
Charge start Vbat<:	4.05V +0.05/-0.15V or mains turn-on	8.1V +0.1/-0.15V or mains turn-on	12.3V +0.1/-0.15V or mains turn-on	16.4V +0.1/-0.15V or mains turn-on	20.5V +0.1/-0.15V or mains turn-on	24.6V +0.1/-0.15V or mains turn-on	28.7V +0.1/-0.15V or mains turn-on
Max output power:	5.5W	10.9W	15.1W	15.1W	14.7W	15.1W	16.4W
Ripple:	< 100mV p-p	< 100mV p-p	< 100mV p-p	< 100mV p-p	< 100mV p-p	< 100mV p-p	< 100mV p-p
Efficiency (at 100% load, 230V) approx.:	0.58	0.72	0.77	0.8	0.82	0.82	0.82
Switch frequency approx.:	40kHz	40kHz	40kHz	40kHz	40kHz	40kHz	40kHz
Leakage current from battery with mains switched off:	≈ 0	≈ 0	≈ 0	≈ 0	≈ 0	≈ 0	≈ 0
Protection:	Protected against reversed polarity and short circuit proof	Protected against reversed polarity and short circuit proof	Protected against reversed polarity and short circuit proof	Protected against reversed polarity and short circuit proof	Protected against reversed polarity and short circuit proof	Protected against reversed polarity and short circuit proof	Protected against reversed polarity and short circuit proof
Temperature range: *Operating:	÷25 til +40oC	÷25 til +40oC	÷25 til +40oC	÷25 til +40oC	÷25 til +40oC	÷25 til +40oC	÷25 til +40oC
*Storage:	÷25 til +85oC	÷25 til +85oC	÷25 til +85oC	÷25 til +85oC	÷25 til +85oC	÷25 til +85oC	÷25 til +85oC
Safety:	EN 60950-1, EN 60601-1, EN 60335-2-29, UL60601-1	EN 60950-1, EN 60601-1, EN 60335-2-29, UL60601-1	EN 60950-1, EN 60601-1, EN 60335-2-29, UL60601-1	EN 60950-1, EN 60601-1, EN 60335-2-29, UL60601-1	EN 60950-1, EN 60601-1, EN 60335-2-29, UL60601-1	EN 60950-1, EN 60601-1, EN 60335-2-29, UL60601-1	EN 60950-1, EN 60601-1, EN 60335-2-29, UL60601-1
Insulation class :	Class II	Class II	Class II	Class II	Class II	Class II	Class II
Insulation voltage: Primary – secondary:	4000VAC / 5640VDC	4000VAC / 5640VDC	4000VAC / 5640VDC	4000VAC / 5640VDC	4000VAC / 5640VDC	4000VAC / 5640VDC	4000VAC / 5640VDC
EMC standards:	EMC med. EN 60601-1-2 / Emission EN 61000-6-3 / Immunity EN 6100-6-1	EMC med. EN 60601-1-2 / Emission EN 61000-6-3 / Immunity EN 6100-6-1	EMC med. EN 60601-1-2 / Emission EN 61000-6-3 / Immunity EN 6100-6-1	EMC med. EN 60601-1-2 / Emission EN 61000-6-3 / Immunity EN 6100-6-1	EMC med. EN 60601-1-2 / Emission EN 61000-6-3 / Immunity EN 6100-6-1	EMC med. EN 60601-1-2 / Emission EN 61000-6-3 / Immunity EN 6100-6-1	EMC med. EN 60601-1-2 / Emission EN 61000-6-3 / Immunity EN 6100-6-1
MTBFat Ta = 30’C and full load: Calculated according to MIL – HDBK – 217F	>250 000 hours	>250 000 hours	>250 000 hours	>250 000 hours	>250 000 hours	>250 000 hours	>250 000 hours
Input terminal	2-pins IEC 60320 connector	2-pins IEC 60320 connector	2-pins IEC 60320 connector	2-pins IEC 60320 connector	2-pins IEC 60320 connector	2-pins IEC 60320 connector	2-pins IEC 60320 connector
Output terminals:	Cord with/without plug. Exchangeable plugs available.	Cord with/without plug. Exchangeable plugs available.	Cord with/without plug. Exchangeable plugs available.	Cord with/without plug. Exchangeable plugs available.	Cord with/without plug. Exchangeable plugs available.	Cord with/without plug. Exchangeable plugs available.	Cord with/without plug. Exchangeable plugs available.
IP-Grade:	4X	4X	4X	4X	4X	4X	4X
Dimensions:	90 × 45 × 32mm	90 × 45 × 32mm	90 × 45 × 32mm	90 × 45 × 32mm	90 × 45 × 32mm	90 × 45 × 32mm	90 × 45 × 32mm
Weight:	115g	115g	115g	115g	115g	115g	115g