

SPECIFICATIONS FOR 2541 LA	6V	12V	24V	36V	48V
Available versions		x	x		x
Input voltage:	90 - 264VAC	90 - 264VAC	90 - 264VAC	90 - 264VAC	90 - 264VAC
Line frequency:	47 - 63Hz	47 - 63Hz	47 - 63Hz	47 - 63Hz	47 - 63Hz
Step 1 Charge current: Orange	2.7A ±0.1A	2.2A ±0.1A	1.2A ±0.1A	0.8A ±0.05A	0.6A ±0.05A
Step 2 Charge voltage:	7.35V ±0.10V	14.7V ±0.15V	29.4V ±0.25V	44.1V ±0.25V	58.8V ±0.25V
- Charge current >: Orange <: Yellow	1.20A ±0.1A	1.00A ±0.1A	0.50A ±0.1A	0.40A ±0.05A	0.25A ±0.05A
Step 3 Charge termination (2) <: Green	250mA	250mA	250mA	250mA	100mA
Standby voltage:	6.85V ±0.10V	13.7V ±0.15V	27.4V ±0.30V	41.1V ±0.30V	54.8V ±0.40V
Max output power:	20W	32W	35W	35W	35W
Ripple:	<100mV p-p	<100mV p-p	<100mV p-p	<100mV p-p	<100mV p-p
Efficiency (at 100% load, 230V) approx.:	0.78	0.84	0.87	0.87	0.87
Switch frequency approx.:	40kHz	40kHz	40kHz	40kHz	40kHz
Leakage current from battery with mains switched off:	<250µA	<250µA	<250µA	<250µA	<250µA
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
Temperature range:	Operating: ±25 to +40oC / Storage: ±25 to +85oC	Operating: ±25 to +40oC / Storage: ±25 to +85oC	Operating: ±25 to +40oC / Storage: ±25 to +85oC	Operating: ±25 to +40oC / Storage: ±25 to +85oC	Operating: ±25 to +40oC / Storage: ±25 to +85oC
Safety:	EN 62368-1, EN 60601-1, UL 60601-1, EN 60335-2-29	EN 62368-1, EN 60601-1, UL 60601-1, EN 60335-2-29	EN 62368-1, EN 60601-1, UL 60601-1, EN 60335-2-29	EN 62368-1, EN 60601-1, UL 60601-1, EN 60335-2-29	EN 62368-1, EN 60601-1, UL 60601-1, EN 60335-2-29
Insulation class :	Class II	Class II	Class II	Class II	Class II
Insulation voltage: Primary – secondary:	4000VAC / 5656VDC	4000VAC / 5656VDC	4000VAC / 5656VDC	4000VAC / 5656VDC	4000VAC / 5656VDC
EMC standards:	Med. EN 60601-1-2 / Emission EN 61000-6-3 / Immunity EN 61000-6-1	Med. EN 60601-1-2 / Emission EN 61000-6-3 / Immunity EN 61000-6-1	Med. EN 60601-1-2 / Emission EN 61000-6-3 / Immunity EN 61000-6-1	Med. EN 60601-1-2 / Emission EN 61000-6-3 / Immunity EN 61000-6-1	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	>250 000 hours	>250 000 hours	>250 000 hours	>250 000 hours
Mains connection:	2-pins IEC 60320 connector. (Exchangeable mains plugs EU, UK, US, AU available on type 2542).	2-pins IEC 60320 connector. (Exchangeable mains plugs EU, UK, US, AU available on type 2542).	2-pins IEC 60320 connector. (Exchangeable mains plugs EU, UK, US, AU available on type 2542).	2-pins IEC 60320 connector. (Exchangeable mains plugs EU, UK, US, AU available on type 2542).	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.	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:	41	41	41	41	41
Dimensions:	107 x 67 x 37mm (117 x 75 x 44mm for type 2542)	107 x 67 x 37mm (117 x 75 x 44mm for type 2542)	107 x 67 x 37mm (117 x 75 x 44mm for type 2542)	107 x 67 x 37mm (117 x 75 x 44mm for type 2542)	107 x 67 x 37mm (117 x 75 x 44mm for type 2542)
Weight:	250g (280g for type 2542)	250g (280g for type 2542)	250g (280g for type 2542)	250g (280g for type 2542)	250g (280g for type 2542)