

SPECIFICATIONS FOR 2044 LA	12V 20A	12V 25A	24V	36V	48V
Input voltage:	198 - 264V AC	198 - 264V AC	198 - 264V AC	198 - 264V AC	198 - 264V AC
Line frequency:	47 - 63Hz	47 - 63Hz	47 - 63Hz	47 - 63Hz	47 - 63Hz
Charge control:	3 step IUU	3 step IUU	3 step IUU	3 step IUU	3 step IUU
Charge voltage: Cycle mode	14.7V	14.7V	29.4V	44.1V	58.8V
Charge voltage: Standby mode	13.7V	13.7V	27.4V	41.1V	54.8V
Temperature coefficient:	-3 to -4mV/°C pr. cell	-3 to -4mV/°C pr. cell	-3 to -4mV/°C pr. cell	-3 to -4mV/°C pr. cell	-3 to -4mV/°C pr. cell
Timer:	4 hours ± 30min.	4 hours ± 30min	4 hours ± 30min	4 hours ± 30min	4 hours ± 30min
Charge current:	20A	25A	10A	6.7A	5A
Input surge current limitation:	< 35A	< 35A	< 35A	< 35A	< 35A
Leakage current from battery with mains switched off:	< 0.5mA	< 0.5mA	< 0.5mA	< 0.5mA	< 0.5mA
Ripple:	< 100mV p-p	< 100mV p-p	< 100mV p-p	< 100mV p-p	< 100mV p-p
Efficiency (at 100% charge current) approx.:	> 83%	> 83%	> 85%	> 88%	> 88%
Switch frequency approx.:	67kHz	67kHz	67kHz	67kHz	67kHz
Temperature range: *Operating:	-25 to +40C >30C the charge current will be reduced	-25 to +40C >30C the charge current will be reduced	-25 to +40C >30C the charge current will be reduced	-25 to +40C >30C the charge current will be reduced	-25 to +40C >30C the charge current will be reduced
Temperature range: *Storage:	-25 to +85oC	-25 to +85oC	-25 to +85oC	-25 to +85oC	-25 to +85oC
Protection:	Short circuit proof / Against reversed polarity / Over temperature protection	Short circuit proof / Against reversed polarity / Over temperature protection	Short circuit proof / Against reversed polarity / Over temperature protection	Short circuit proof / Against reversed polarity / Over temperature protection	Short circuit proof / Against reversed polarity / Over temperature protection
Insulation class:	Class I	Class I	Class I	Class I	Class I
Insulation voltage: Primary - ground:	1500V AC (2200VDC)	1500V AC (2200VDC)	1500V AC (2200VDC)	1500V AC (2200VDC)	1500V AC (2200VDC)
Primary - secondary:	4000V AC (5700VDC)	4000V AC (5700VDC)	4000V AC (5700VDC)	4000V AC (5700VDC)	4000V AC (5700VDC)
Secondary - ground:	500V AC	500V AC	500V AC	500V AC	500V AC
Electrical Safety standards:	EN 60335-2-29	EN 60335-2-29	EN 60335-2-29	EN 60335-2-29	EN 60335-2-29
EMC standards:	EN 55014, EN 61000-6-3, EN 61000-6-1	EN 55014, EN 61000-6-3, EN 61000-6-1	EN 55014, EN 61000-6-3, EN 61000-6-1	EN 55014, EN 61000-6-3, EN 61000-6-1	EN 55014, EN 61000-6-3, EN 61000-6-1
IP-Grade:	20 PCB with components are protected with Coating	20 PCB with components are protected with Coating	20 PCB with components are protected with Coating	20 PCB with components are protected with Coating	20 PCB with components are protected with Coating
Indication: 3 colour LED	Red: Constant current mode	Red: Constant current mode	Red: Constant current mode	Red: Constant current mode	Red: Constant current mode
null	Green: Constant voltage, standby mode	Green: Constant voltage, standby mode	Green: Constant voltage, standby mode	Green: Constant voltage, standby mode	Green: Constant voltage, standby mode
Mains connection:	Mains cord	Mains cord	Mains cord	Mains cord	Mains cord
Terminals:	Leads with battery clips	Leads with battery clips	Leads with battery clips	Leads with battery clips	Leads with battery clips
Dimensions (LxWxH):	148 x 210 x 58mm	148 x 210 x 58mm	148 x 210 x 58mm	148 x 210 x 58mm	148 x 210 x 58mm
Weight:	1.55kg	1.55kg	1.55kg	1.55kg	1.55kg