

SPECIFICATION FOR APPROVAL

CUSTOMER: MUNDILEC, S.L.

DESCRIPTION: 14.4V/0.8A L.A. Charger

CUSTOMER PART NO: 18025-15

OUR MODEL NO: 1501000

DATE: 2014-07-07

APPROVED SIGNATURE		
DATE:	DATE:	DATE:

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CUSTOMER	MUNDILEC, S.L.	CUSTOMERPART	18025-15			
MANUFACTURER			PAGE	1-15	EDITION	A

12V LEAD-ACID BATTERY CHARGER Specifications

Table of contents

1. : SCOPE.....	2
2. : INPUT CHARACTERISTICS.....	2
3. : OUTPUT CHARACTERISTICS.....	2-3
4. : PROTECTION REQUIREMENT	4
5. : ENVIRONMENTAL REQUIREMET.....	4
6. : SAFETY AND EMI REQUIREMENT	57.
7. : ELECTRIC DIAGRAM	8
8. : MECHANICAL REQUIREMENT.....	8
9. : LABEL.....	9
10.: PACKING.....	11

1、SCOPE:

The purpose of the document is to specify the functional requirements of a 15W switching power charger.

2、INPUT CHARACTERISTICS:

2.1 Input Voltage:

Variation Range: 90-264Vac

2.2 Input Frequency:

Nominal Frequency: 50/60Hz

Variation Frequency: 47-63Hz

2.3 Input Current:

1Arms max at any input voltage and rated, DC output rated load.

2.4 Inrush Current:

30Amps Max. Cold start at 230Vac input, with rated load and 25℃ ambient.

3、OUTPUT CHARACTERISTICS:

3.1 Power Output:

Voltage	Min. Load	Max. Load	Peak	Output Power
14.4Vdc	0A	0.8A	0.85A	11.52W

3.2 Combined Load/Line Regulation:

Voltage	Min. Voltage	Max. Voltage	Line Regulation	Load Regulation
+14.4Vdc	14.35V	14.75V	±5%	±5%

3.3 Ripple And Noise:

The ripple and noise are as follows when measure with Max. Bandwidth of 20MHz and Parallel 47uF/0.1uF, crossed connected at testing point.

Voltage	Ripple And Noise(Max.)
+14.4Vdc	240mVp-p

3.4 Turn On Delay Time:

2 second Max. At 115Vac input and output Max. Load.

3.5 Rise Time:

40mS Max. At 115Vac input and output Max. Load.

3.6 Hold Up Time:

5mS Min. At 115Vac input and output Max. Load.

3.7 Efficiency:

75% Min. At 100Vac input and output Max. Load.

80% Min. At 240Vac input and output Max. Load.

3.8 Overshoot:

15% Max. When power supply at turn on or turn off.

4、PROTECTION REQUIREMENT:

4.1 Short Circuit Protection:

The power supply will be auto recovered when short circuit faults remove.

4.2 Over current Protection:

The power supply will be auto recovered when over current faults remove.

4.3 Over Voltage Protection:

The power supply will not be auto recovered when faults remove.

5、ENVIRONMENTAL REQUIREMENT:

5.1 Operating Temperature:

0°C to 60°C, Full load Normal operation.

5.2 Storage Temperature:

-20°C to 85°C, With package.

5.3 Relative Humidity:

5% (0°C) ~ 90% (40°C) RH, 72 Hrs, Full load Normal operating.

5.4 Vibration:

1. Operating: IEC 721-3-3 3M3

5 ~ 9Hz, A=1.5mm 9 ~ 200Hz, Acceleration 5m/s²

2. Transportation: IEC 721-3-2 2M2

5-9Hz, A=3.5mm

9 ~ 200Hz, Acceleration=5m/s²

200 ~ 500HZ, Acceleration=15m/s²

3、Axes, 10 cycles per axis.

No permanent damage may occur during testing.

The product has to return to its original situation after power off/on.)

5.5 Dropping (Packed):

1 corner, 3 edges, and 6 surfaces

Height: 76cm

6、 SAFETY AND REQUIREMENT:

6.1 SAFETY: PSE EK BS CB GS-TUV UL SAA CE

6.2 DIELECTRIC STRENGTH (H-Pot):

(Primary to secondary), 3000Vac/5mA/60s.

7、 MECHANICAL REQUIREMENT):

7.1 Enclosure:



7.2 Input Connector:

Euro type plug in

7.3 DC PLUG:

7.4 DC CABLE: Black round 1.2M

8、Label:

Material: PET

Endure heat above 110℃

Thickness: 0.2-0.3mm

Size: 25*31mm

9、Packing: Small white case

UNIT:mm

