

SPECIFICATION FOR APPROVAL

充电器 / Charger

CUSTOMER: _____

DESCRIPTION: Input: 100-240VAC 50/60Hz

Output: 14.4VDC 20.0A

OUR MODEL NO: MT-280-12C

SAMPLE COLOR: Black () White ()

SAMPLE DATE: 2025-08-14

SALES: XieHuiMin

APPROVED BY: LiJin

DESIGNED BY: YangHao

Rev:A0	Date:2025-08-14	Description:新版本/NewRev	Design: Wang
Rev:	Date:	Description:	Design:
Rev:	Date:	Description:	Design:
Rev:	Date:	Description:	Design:

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1、 SCOPE:

This product for the Power Charger , the product operational factors is the constant current model

2、 INPUT CHARACTERISTICS:

2.1 Input Voltage:

Rated Voltage:100-240Vac

2.2 Input Frequency:

Rated Frequency: 50/60Hz.

2.3 Input Current:

3.5 Amps max At any input voltage and rated, DC output rated load.

2.4 Ac Leakage Current:

0.5mA peak At264Vac input

3、 OUTPUT CHARACTERISTICS:

3.1 RANGE FOR OUTPUT VOLTAGE & CURRENT

Constant current

Output	Minimun	Normal	Maximun
Vout@0mA	13.9V	14.4Vdc	14.9V
Constant CurrentRange for lout	19.0A	20.0A	21.0A

3.2 LED indicate

NO.	Item	Requirement	LED indicate	
			Red	Green
1	Battery pack absent	No Battery Pack on the charger	OFF	ON
2	Battery pack Charging	19-21A	ON	OFF
3	BAT.Fulled charged	The Battery Voltang Reached To 13.68-15.12V and the charging current less than about 2000±500mA	OFF	ON

3.3 Turn on delay time:

3Second Max.at 100Vac input and output Max load.

3.4 Rise time:

40 ms Max.at 100Vac input and output Max load..

3.5 Hold up time:

5 ms Min.at 100Vac input and output Max.Load.

4、 PROTECTION FUNCTION:

4.1 Short circuit protection:

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

4.2 Reverse Battery Protection:

Recovers automatically after fault condition is removed

5、 ENVIRONMENTAL REQUIREMET:

5.1 Operating Temperature:

-20°C to 40°C,Full load, Normal operation.

5.2 Storage Temperature:-40°C to 80°C

5.3 Relative Humidity:

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

6、 SAFETY AND EMI REQUIREMENT:

6.1 The power supply is designed for indoor use to meet the following safety regulations:

	ITEM	Country	Standard
<input type="checkbox"/>	CCC	China	GB4943
<input type="checkbox"/>	UL	USA	UL 62368-1
<input checked="" type="checkbox"/>	CE/GS	EUROPE	EN60335-1
<input type="checkbox"/>	UKCA	EUROPE	BS62368-1
<input type="checkbox"/>	BS	ENGLAND	EN60950
<input type="checkbox"/>	C-Tick	AUSTRALIA	AS/NZS60950
<input type="checkbox"/>	KC	SOUTH KOREA	KC

6.2 DIELECTRIC STRENGTH Hi-Pot:

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

Primary to Case,1500Vac/5mA/60s.

6.3 EMI STANDARD

Meets the Limits of

EN IEC 55014-1:2021.

EN IEC 55014-2:2021.

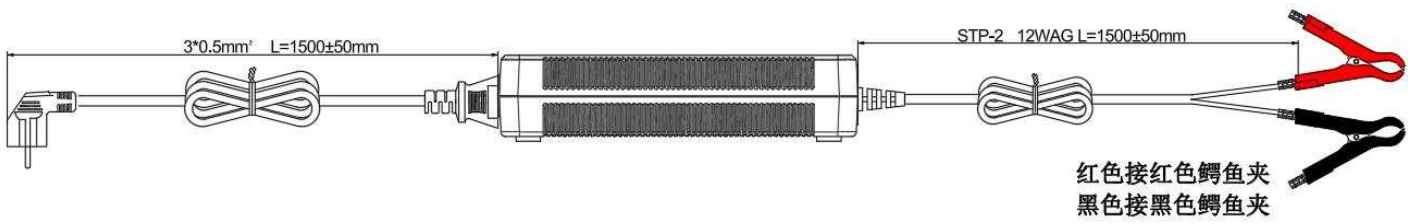
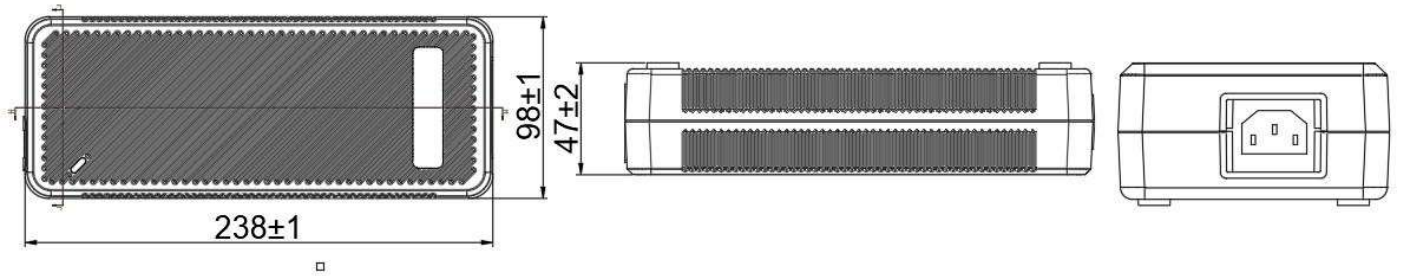
EN IEC 61000-3-2:2019+A1:2021.

EN 61000-3-3:2013+A1:2019+A2:2021.

EN 60335-1:2012+A11+A13+A14+A2+A15

EN 60335-2-29:2021+A1

7、OUTLINE DIMENSION:



8、 LABEL:

MT® **MERVESAN**
MERVESAN TEKNOLOJİ

BATTERY CHARGER

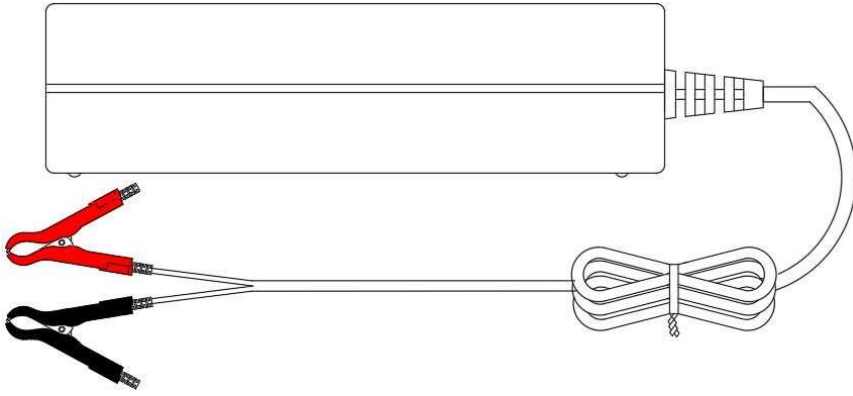
MODEL: MT-280-12C

INPUT: 100-240V~ 50/60Hz 3.5A
OUTPUT: 12-14.4V \equiv 20.0A 288.0WATT

OUTPUT SOCKET:  Red+  Black-

 
 
MADE IN PRC

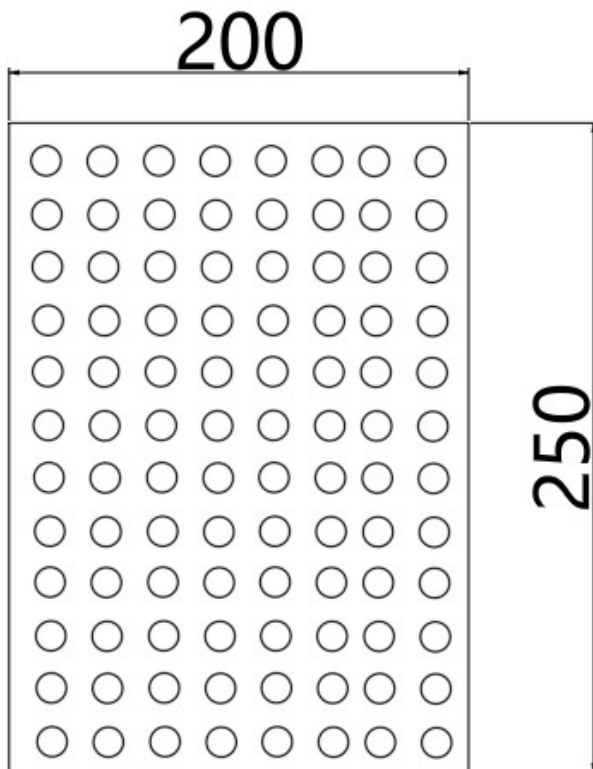
9、PACKING STEP:



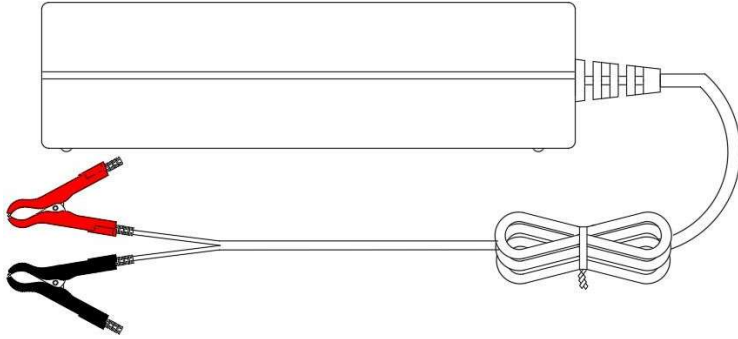
A :Product



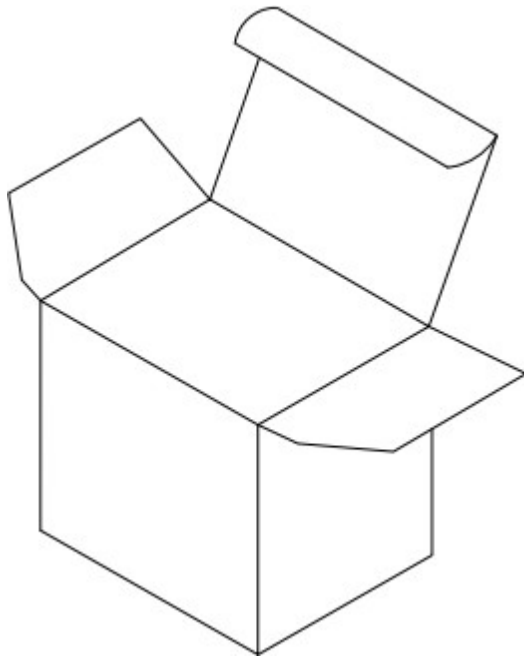
装气泡袋



B:PE Bag



A :Product

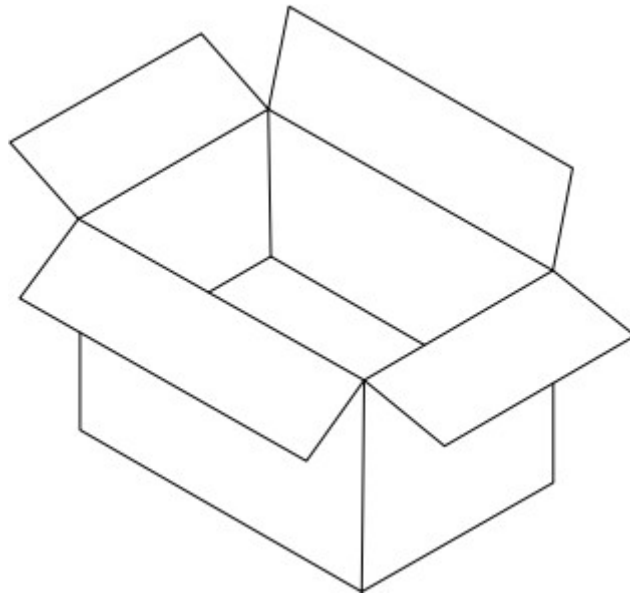


彩色瓦楞盒/ Colored corrugated box:

长/ Length:270mm

宽/ Width:180mm

高/ Height:50mm



Packing request:

Packaging

Outside box:380L*290W*220H

Quantity:8PCS/CTN

Remarks:

1. Firstly, put the product into PE bag according to the picture "A/B".
2. After finishing the first step, then put the product into White box according to the picture "C".
3. Then put the product into outer carton.
4. When packing finished, then seals the carton and labels the mark.
5. Through the QA inspection, the products can be shipped