



SPECIFICATION FOR APPROVAL

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KES-150100C-HXX

Ultracapacitor Jump Starter

Customer Part NO.

[illegible]

SALES	QE	APPROVED BY	MADE BY
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Ultracapacitor Jump Starter

KES-150100C-HXX Manufacturer Part No.: KS25066



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1. PRODUCT

1.1 PRODUCT



1.2 Chemical Substance Control Laws

PAHS 6P NP NOP REACH ROHS PROP65

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2. GENERAL

1.3 Description

Here defines the technical specifications of 12V car jump starter..

- The jump starter adopts self-developed 500F super-capacitor as the energy storage component, has a long life (200,000 times of charge and discharge) and large starting current, it also has over-charge protection, short circuit protection, over-discharge protection, reverse-polarity protection, temperature protection, ensures safe and reliable use; The vehicle can be started normally from -40℃ to 65℃.
- Manual Boost Mode: Press the power button five times quickly to enable manual control mode.

3. GENERAL SPECIFICATION

Item		Specification/Condition
1	Rate discharge capacitance	100F
2	Capacitance tolerance	0% ~ +30%
3	Working Voltage	12VDC
4	Absolute Maximum Voltage	15VDC
5	Maximum Peak Current	800A
6	Operating temperature range	-40℃ ~ +65℃
7	Storage temperature range	-40℃ ~ +70℃
8	Stored energy (0~15V) (Wh)	3.125Wh(15V100F)
9	Battery Indicator	Digital
10	Shell packing	PC
11	Output type	lead wire
12	Additional Features	reverse polarity protection charging failure input undervoltage input overvoltage reverse charge protection over-temperature protection

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4. MECHANICAL

1.4 Enclosure and Layout

Plastic case	UL94V-0
Weight	/ g (Max.)
Dimensions	254*104*51mm

1.5 Input and Output Configuration

Input pin	DC input: 12V 8A (8min Max.) CS input: 12V 15A(5min Max.)
Discharge time	30S jump-start time

5. PERFORMANCE INDEX

Item		Specification/Condition
01	Temperature characteristics	+70℃ Δ C/C ≤30% , ESR≤initial value (25℃) -40℃ Δ C/C ≤30% , ESR≤4 times of initial value (25℃)
02	High temperature load	After 1000h, with rated voltage at 65℃ , Δ C/C ≤30% , ESR≤3times of initial value °
03	High temperature without load	+70℃ , After 1000±4h , Δ C/C ≤30% , ESR≤2 times of initial value °
04	Cycle life Expectancy	With rated voltage at normal temperature, 200,000 cycles of charge-discharge test. Δ C/C ≤30% , ESR≤3 times of initial value (25℃)

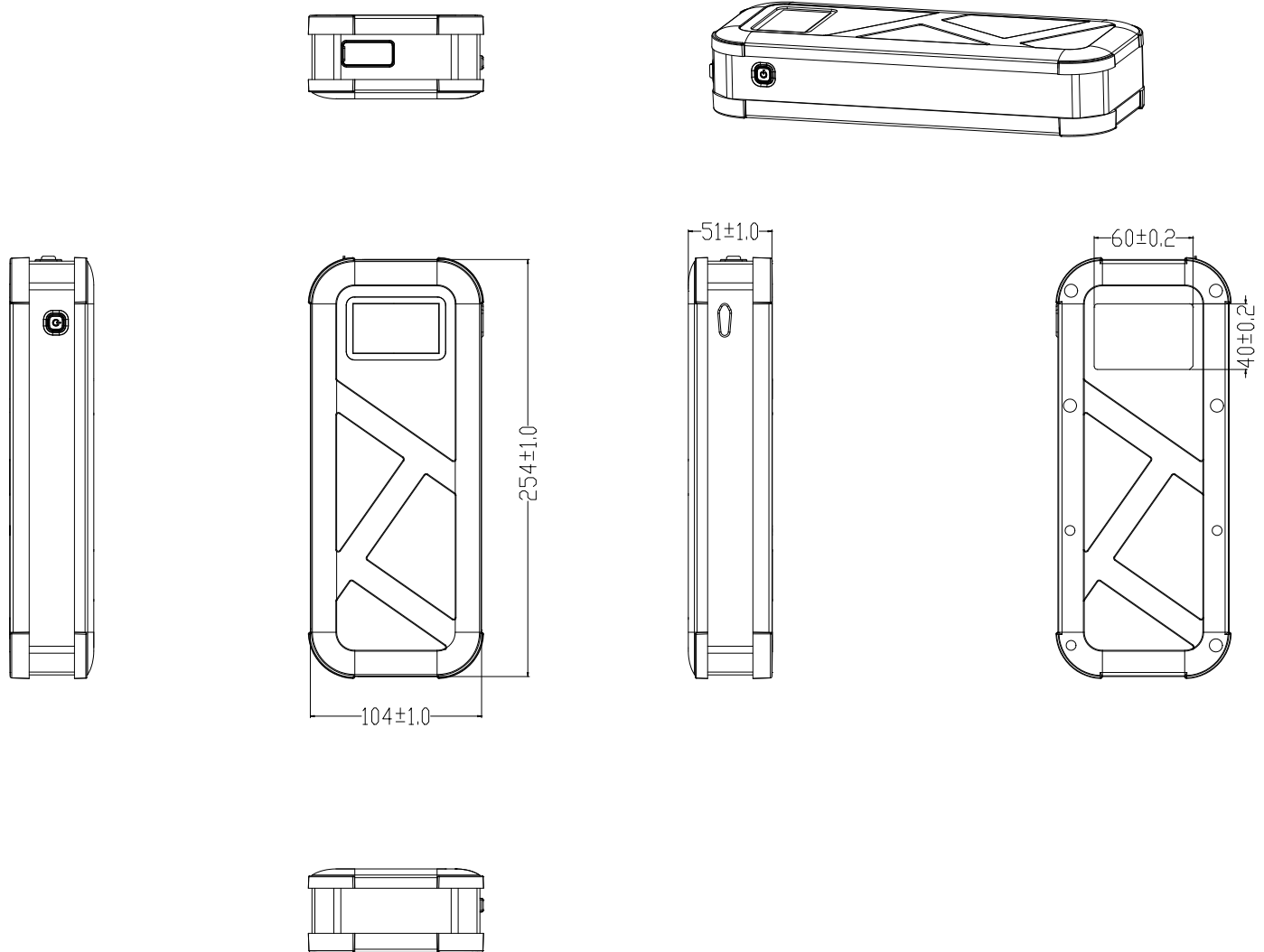
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6. APPEARANCE DRAWING: (UNIT: MM)

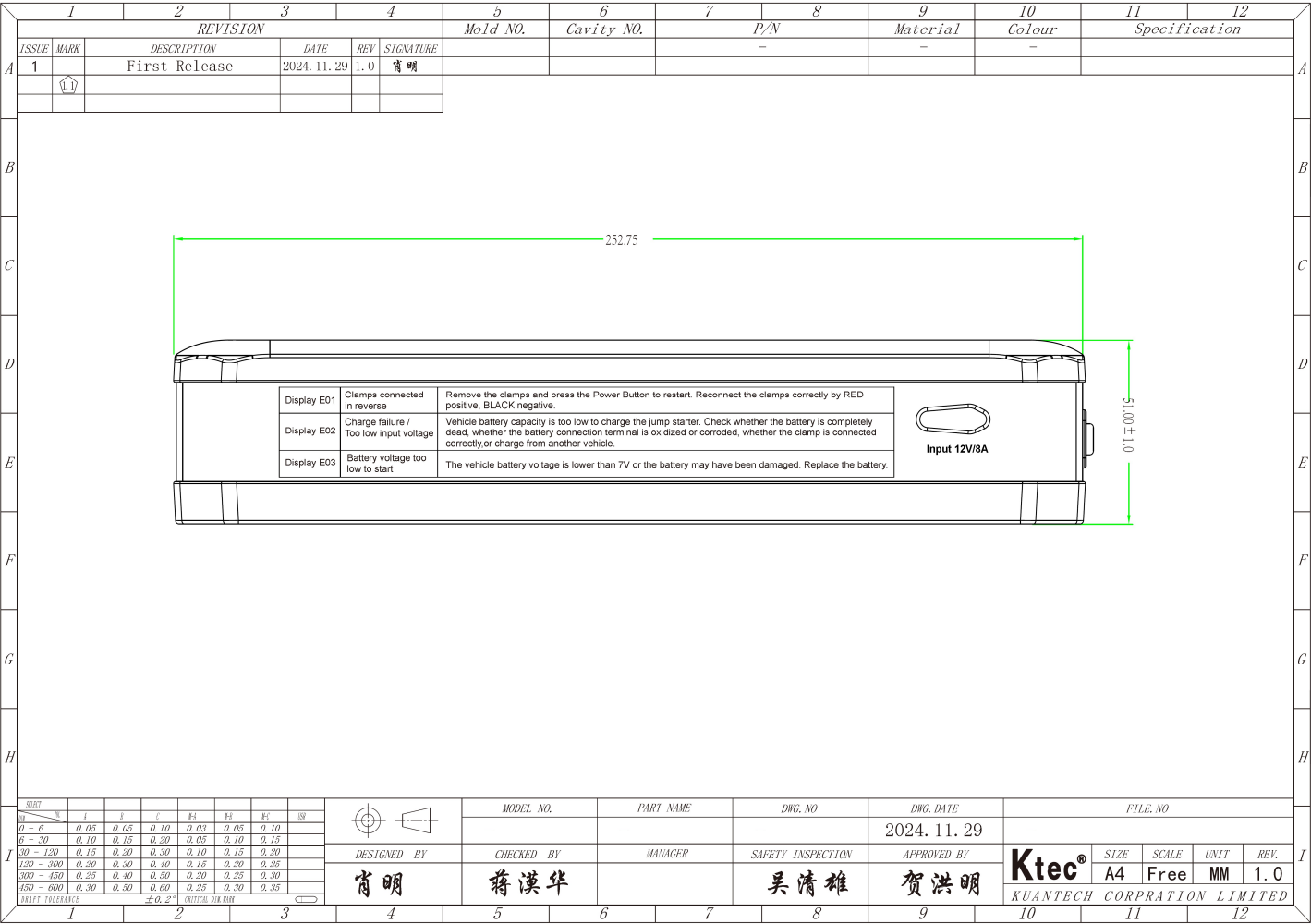


NOTE:

1. Case cover & chassis material PC
2. PAHS 6P NP NOP REACH ROHS PROP65
3. Top mold: :MSS023040 MSS023041; Bottom mold: MSS023042 MSS023043

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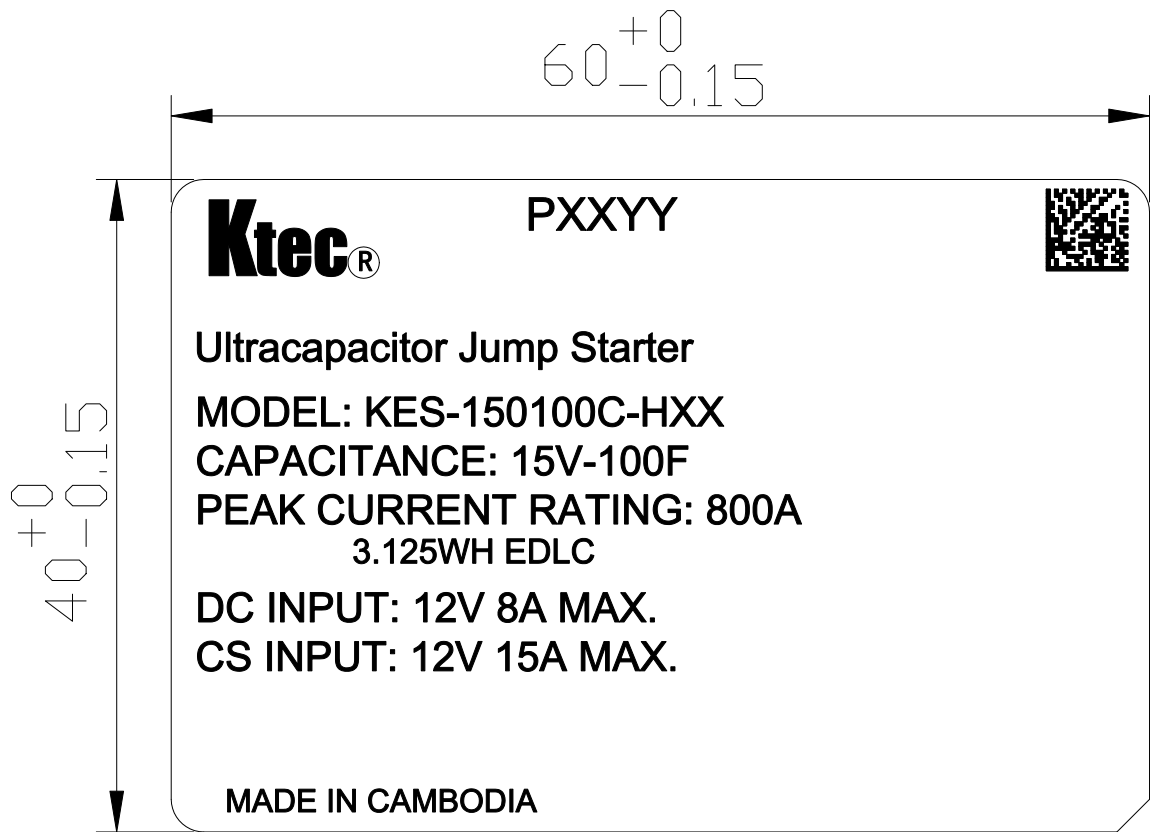


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KTEC

7. NAME PLATE



Note: Laser

PXXYY (P=PAHS, 6P, NP XX=Week, YY=Year), use the actual production date.

SN (Data Matrix Code size: 5*5mm):

First code G(Ktec) + Production part number (Product code) + Ten yards of flow code SSSSSSSSS (decimal) Total 19 codes

Example : GKS25006600000000001, GKS25006600000000002...GKS25006699999999999

KT E&C

An open black soft-shell carrying case, likely for a portable electronic device. The case is laid flat, revealing its interior. It features a textured, possibly neoprene or felt, lining. A central vertical divider separates the case into two main compartments. The top lid is open, showing a smooth inner surface. The bottom compartment is also open, showing a similar smooth inner surface. The case has rounded corners and a visible zipper along the edges. The background is a solid blue surface.

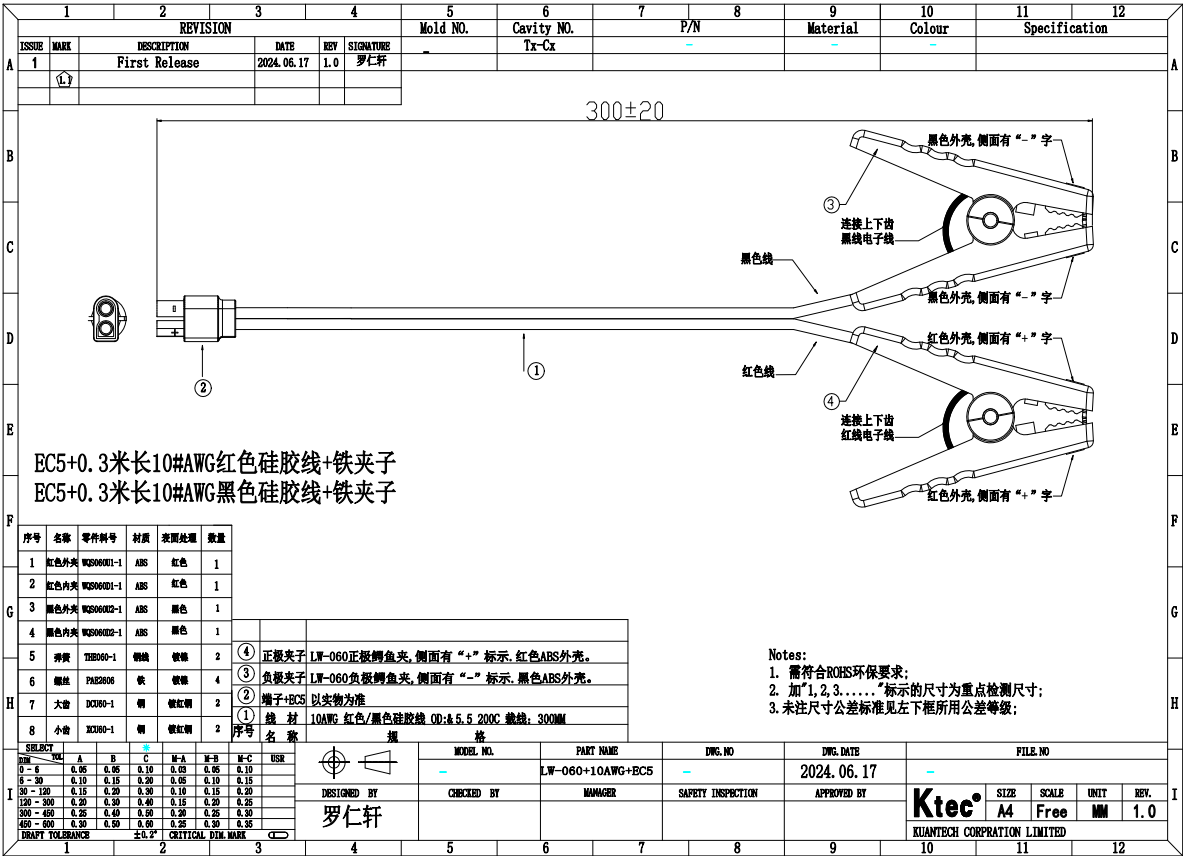
材质：黑色尼龙+珍珠棉
尺寸：270*120*76mm
料号：06A271276-01
公差：±5mm

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9.1 List of Attachments



Packaging pictures are for reference only



Battery crocodile clip