

B R O C H U R E



Battery Current Collector



Anping Web Wire Mesh Co.,Ltd.

Metal Mesh For Battery Current Collector



through them. Our metal mesh fits all these requirements and it is micro-permeable by design, therefore it allows the transport of the protons from the anode to the cathode through the membrane. It also forces the electrons to travel around a conductive path to the cathode, functioning as a key component in battery manufacturing. The metal mesh is manufactured in slit coils or sheets and is processed as discs or most any shape as required. We have been providing metal mesh for battery industry for 10 years. The common materials include stainless steel, nickel, aluminum, and copper etc.

Introduction

The electrically active material comprising the electrodes of most modern battery designs are powders, slurries and laminates and require a mechanical support structure to hold them in place during the manufacturing process. This support structure also functions as a current collector and provides the electrical connection point for the external circuit. Current collectors of thin film batteries must be flexible, have high surface area, be cost-effective, and allow fluids to flow



Idea for	Screen Size	Features & Benefits
<ul style="list-style-type: none">• Lithium ion battery• Polymer battery• Power battery	<ul style="list-style-type: none">• D 2mm• D 2.5mm• D 3mm	<ul style="list-style-type: none">• Uniform thickness• Highly reliable and offers moderate performance• Long useful lifetime

Technical Parameters

When ordering, please specify:

1. Shape

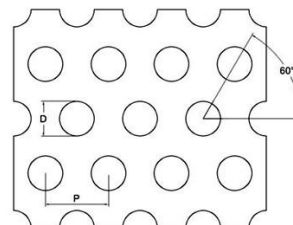
Round hole perforated metal, diamond hole expanded metal

2. Hole Size

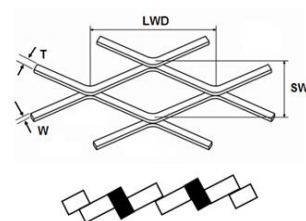
3. Thickness

4. Panel Width (PW)

5. Panel Length (PL)



60° Round Hole Perforated



Hexagonal Hole Expanded

Perforated Metal Sheets

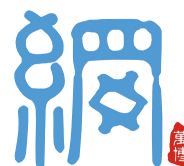
Shape	Hole Size	Pitch	Open Area	Thickness	Weight
type	mm	mm	%	mm	Kgs/m ²
60° Round hole	2.0	3.0	40.3	0.3	1.41
60° Round hole	2.0	3.5	29.6	0.3	1.66
60° Round hole	2.5	3.5	46.3	0.3	1.27
60° Round hole	3.0	4.0	51.0	0.3	1.15

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