

Round or rectangular: The advantages and disadvantages of different cell designs

	Pouch cells, stacked	Round cells, wound	Prismatic Cells, stacked
Housing			
Cost	+	0	-
Weight	+	-	-
Mechanical stability	-	+	0
Electrodes			
Production costs	-	+	-
Energy per volume	+	+	+
Shock and Vibration resistance			
	-	+	0
Propagation safety			
	-	+	-
Liquid cooling			
	Side surface	Cylinder case, also terminal or air cooling	Cell bottom or side
Pack density			
	60 %	60 %	60 %