## **Technology characteristics**

STORAGE TECHNOLOGY	Capital cost	Maintenance cost	Cycle life	Design flexibility (Energy/ power ratio)	Ease of recycling
Lithium-ion – LFP/Gr	<b>\$\$</b>	*	ĠĠ	<b>*</b>	Q
Lithium-ion – NMC/Gr	<b>\$\$</b>	*	ĠĠ	<b>*</b>	Q
Lead-acid – Flooded	\$	444	Ġ	<i>+</i>	QQ
Lead-acid – Sealed	\$	*	Ġ	<i>†</i>	QQ
Hybrid – Li-on/Lead	<b>\$\$</b>	*	ĠĠ	44	Q
Redox-flow – Vanadium	\$\$\$	44	ĠĠĠ	+++	QQ
Sodium-ion – Saltwater	<b>\$\$</b>	*	ĠĠ	44	999
Sodium-ion – Non-aqueous	<b>\$\$</b>	*	ĠĠ	<b>*</b>	99
Thermal – Ice battery	\$	44	ĠĠĠ	44	999
KEY	\$ < 200 \$/kWh \$\$ 200–500 \$/kWh \$\$\$ > 500 \$/kWh	No maintenance required  Regular inspection  Regular maintenance	<ul><li>♦ &lt; 500</li><li>♦ 500-3,000</li><li>♦ ♦ 3,000</li></ul>	Fixed range  Semi-flexible  Fully flexible	Many, partly toxic components  Few, partly toxic components  Few, non-toxic components