

## BATTERY PACKS

Certifications	 US	 Canada	 Europe	 International	 Germany	 Europe	 Japan	 Russia	 CQC Mark China	 Korea
<b>Voluntary/Mandatory</b>	Voluntary	Voluntary	Voluntary	Voluntary	Voluntary	Voluntary	Mandatory	Mandatory	Voluntary	Mandatory
<b>Market Access</b>	US	Canada	Europe	International	Germany	Europe	Japan	Russia	China	Korea
<b>Factory Inspection</b>	Yes	Yes	Yes	Not required	Yes	Yes	Not required	Yes	Yes	Not required
<b>Certification Validity</b>	No expiration - assuming no changes to the product	No expiration - assuming no changes to the product	10 years - as long as the standards used for testing do not change or expire	Contingent upon standard upgrade	Max. 5 years validity depending on the edition used of the standard	Max. 10 years validity depending on the edition used of the standard	5 years	3 years	As long as routine factory inspection is passed	No expiration - assuming no changes to the product
<b>Annual Maintenance Fee (AMF)</b>	Yes	Yes	Yes	No	Yes	Yes	No	No	Yes	No
<b>Standards Applied</b>	UL/IEC 60950 or UL/IEC 60065 with UL 2054	IEC 60950 or IEC 60065 with UL 2054	EN 60065, EN 60950, EN 62133	(1) IEC 62133/ (2) IEC 60950-1 and IEC 62133	EN 60950-1 and EN 62133	(1) IEC 62133/ (2) IEC 60950-1 and IEC 62133	DENAN Ordinance Article 1, Appendix 9	IEC 62133	SJ/T1169-1998 GB/18287-2000	Part 2, Annex 05 of self-regulatory confirmation

## BATTERY CELLS

Certifications	 US	 Europe	 International	 Europe	 CQC Mark China	 Korea
<b>Voluntary/Mandatory</b>	Voluntary	Voluntary	Voluntary	Voluntary	Voluntary	Mandatory
<b>Market Access</b>	US	Europe	International	Europe	China	Korea
<b>Factory Inspection</b>	Yes	Yes	Not required	Yes	Yes	Not required
<b>Certification Validity</b>	No expiration - assuming no changes to the product	10 years - as long as the standards used for testing do not change or expire	Contingent upon standard upgrade	10 years	As long as routine factory inspection is passed	No expiration - assuming no changes to the product
<b>Annual Maintenance Fee (AMF)</b>	Yes	Yes	No	Yes	Yes	No
<b>Standards Applied</b>	UL 1642	EN 62133	IEC 62133	EN 62133	SJ/T1169-1998 GB/T18287-2000	Part 2, Annex 05 of self-regulatory confirmation