

China Shoto plc's Intellectual Property Rights

No.	Title	Proprietor	Application Number	Certificate Number
1	The heat seal structure of container and cover used for VRLA battery.	Jiangsu Longyuan Shuangdeng Power Supply Co., Ltd.	ZL02219847.4	538303
2	The safe valve of lead acid battery	Jiangsu Longyuan Shuangdeng Power Supply Co., Ltd.	ZL01334142.1	222117
3	The clamping apparatus for post welding used for the sealed lead acid battery	Jiangsu Longyuan Shuangdeng Power Supply Co., Ltd.	ZL01245010.3	490840
4	The protective bag of plates	Jiangsu Longyuan Shuangdeng Power Supply Co., Ltd.	ZL02317823.X	253832
5	The self-locking plastic case of battery	Jiangsu Longyuan Shuangdeng Power Supply Co., Ltd.	ZL01245008.1	491889
6	The cover of lead acid battery	Jiangsu Longyuan Shuangdeng Power Supply Co., Ltd.	ZL01334143.X	235963
7	The battery case	Jiangsu Longyuan Shuangdeng Power Supply Co., Ltd.	ZL02317824.8	253944
8	The VRLA battery of long service and high performance	Jiangsu Longyuan Shuangdeng Power Supply Co., Ltd.	ZL01245009.X	492014
9	The output terminal structure of lead acid battery	Jiangsu Longyuan Shuangdeng Power Supply Co., Ltd.	ZL02220024.X	564288
10	The safe valve used for lead acid battery	Jiangsu Longyuan Shuangdeng Power Supply Co., Ltd.	ZL02263689.7	561745
11	The output terminal structure of front terminal VRLA batteries	Jiangsu Longyuan Shuangdeng Power Supply Co., Ltd.	ZL02263688.9	561644
12	The rectangular super capacitor of large capacity	Jiangsu Longyuan Shuangdeng Power Supply Co., Ltd.	ZL02257929.X	583306
13	The environmental protection long service life safe valve for VRLA battery	Jiangsu Longyuan Shuangdeng Power Supply Co., Ltd.	ZL01262692.9	505401
14	The container of front terminal VRLA battery	Jiangsu Longyuan Shuangdeng Power Supply Co., Ltd.	ZL02333603.X	280189
15	The cover of front terminal VRLA battery	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL02333602.1	282397
16	The plastic for direct methyl fuel cell	Jiangsu Longyuan Shuangdeng Power Supply Co., Ltd.	ZL02257928.1	581530
17	The grids of VRLA battery	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL 00241120.2	453443
18	The expansion structure of plates of lead acid battery	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL00221803.3	447386
19	The glue sealing structure of case used for VRLA battery	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL00240667.5	447860
20	The glue sealing structure of terminal used VRLA battery	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL00241117.2	454435

21	The tubular positive plates of lead acid battery	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL00241119.9	454714
22	The safe valve of double filter cylinder type used for VRLA battery	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL00221802.X	443148
23	New type structure ABS case for battery	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL00240666.7	447733
24	The case of lead acid battery	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL00344774.X	194541
25	The fire-resistance and explosion-proof safe valve for VRLA battery	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL00241118.0	454560
26	The single direction regulated valve for VRLA battery	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL00221805.4	447621
27	The output structure of copper terminal for lead acid battery	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL00240664.0	447490
28	The sealing structure of VRLA battery terminals	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL00240665.9	447596
29	The container of lead acid battery used for electric locomotives (1)	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL03315845.2	331620
30	The cover of lead acid battery used for electric locomotives (2)	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL033158444	348630
31	The cover of battery sued for air-conditioning passenger trains	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL03315847.9	331979
32	The cover of lead acid battery used for electric locomotives (1)	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL03315843.6	331228
33	The container of lead acid battery for electric bicycle (1)	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL03315853.3	331229
34	The cover of lead acid battery for passenger trains	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL03315849.5	332306
35	The container of lead acid battery used for electric locomotives (2)	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL03315846.0	331795
36	The container of lead acid battery used for air-conditioning passenger trains	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL03315848.7	335092
37	The intelligent high frequency switch of power sources for telecommunications	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL03346665.3	367976
38	The cover of lead acid battery for diesel locomotives	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL03315841.X	338380
39	The VRLA battery for electric locomotives (1)	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL033466602	357753
40	The cover of lead acid battery for electric bicycles (2)	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL033158525	357816
41	The battery for air-conditioning passenger trains	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL033466610	358510
42	The container of lead acid battery for passenger trains	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL033158509	348173

43	The electro-chemical super capacitor	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL03221099.X	616843
44	The battery (VRLA battery 2)	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL033466629	357231
45	The cylinder VRLA battery	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL03221098.1	615309
46	The bipolar super capacitor	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL03221100.7	614964
47	The VRLA battery for passenger trains	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL033466645	359359
48	The container of lead acid battery for diesel locomotives	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL033158428	357815
49	The container of lead acid battery for electric bicycles (2)	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL033158541	349569
50	The lead acid battery for diesel locomotives	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL033466637	359957
51	The rectangular tubular VRLA battery	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL98227646.X	326924
52	The battery for electric locomotives	Nanjing Shuangdeng Sci. & Tech. Development Academy Co., LTD.	ZL01356284.3	241606
53	The post inserted copper core used for lead acid battery	Nanjing Shuangdeng Sci. & Tech. Development Academy Co., LTD.	ZL01272476.9	511948
54	The grids of lead acid battery	Nanjing Shuangdeng Sci. & Tech. Development Academy Co., LTD.	ZL01272477.7	512068
55	Microcapsule used for VRLA battery and its preparation method	Jiangsu Longyuan Shuangdeng Power Supply Co., Ltd.	ZL02112896.0	182004
56	New-type bipolar plate used for proton exchange membrane fuel cell	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL03278303.5	648586
57	Upper lid of VRLA battery for electric bicycle	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL03315851.7	407912
58	Cross Bridge soldering structure between internal single cells of VRLA battery	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL03277929.1	642977
59	Modification of Absorbed Glass Mat separator used for VRLA battery	Jiangsu Shuangdeng Power Supply Co., Ltd.	ZL01127020.9	173122
60	A kind of post-loading stator blade of impulse turbine.	Beijing Full Three Dimension Engineering Company Litmited	ZL972 6546.0	331334
61	A kind of bend-twisting stator cascade of impulse turbine	Beijing Full Three Dimension Engineering Company Litmited	ZL97 2 16546.1	290839
62	A kind of high pressure main regulating valve of power station steam turbine	Beijing Full Three Dimension Engineering Company Litmited	200420089110.1	
63	A kind of super high pressure impulse type steam turbine	Beijing Full Three Dimension Engineering Company Litmited	200410078145.X	