

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

A. PRODUCT IDENTIFICATION

Lithium ion Rechargeable Battery Pack

B. Battery Product Matrix

Customer (HP)

| Battery Name | RMN | Customer P/N | WJ P/N | KS P/N | Cell applied |
|--------------|------------|--------------|--|--|------------------------------|
| AA06096XL | HSTNN-DB7L | 852527-221 | DAK128420-W090701HT DAK128420-W090702HA | | LGC 606080A2 (PM) |
| | | 852527-241 | DAK128420-W020702HT DAK128420-W020701HA | | SDI 596080C (PM) |
| | | 852527-222 | DAK128420-W090704HT DAK128420-W090703HA | | LGC 606080A2 (PM) |
| | | 852527-242 | DAK128420-W020703HT DAK128420-W020704HA | | SDI 596080C (PM) |
| AB06053XL | HSTNN-DB8C | 921408-2C1 | DAK196793-W0P0701HT DAK196793-W0P0702HA | | COS 316772, 307154 (PY) |
| | | 921408-271 | DAK196793-W0G0702HT DAK196793-W0G0701HA | | ATL 306771, 307053 (PY) |
| AD03051XL | HSTNN-DB8D | 921409-271 | DAK124450-W0G0701HT DAK124450-W0G0703HA | | ATL506480 (PY) |
| | | 921409-2C1 | DAK124450-W0P0702HT DAK124450-W0P0701HA | | Coslight CA506479G (PY) |
| AH04041XL | HSTNN-DB7S | 902402-2C2 | DAK825400-W0P0701HT DAK825400-W0P0702HA | | PL;COSLIGHT316581,2.7Ah (PY) |
| | | 902402-2B2 | DAK825400-W0H0701HT DAK825400-W0H0702HA | | PL;LISHEN316581,2.7Ah (PY) |
| AS03044XL | HSTNN-DB7Z | 918340-271 | DAK124050-W0G0701HT DAK124050-W0G0702HA | | ATL 595490 (PY) |
| | | 918340-2C1 | DAK124050-W0P0701HT DAK124050-W0P0702HA | | Coslight CA595490 (PY) |
| BA06060XL | HSTNN-DB4E | 696398-271 | DAK122600-W0G0701HT DAK122600-W0G0702HA | DAK120260-K0G0701LH DAK120260-K0GRC01LH | ATL 426385 2.7Ah (PY) |
| BB09100 | HSTNN-DB2O | 632115-221 | | DAK100885-K090701LH DAK100885-K09RC02LH | LGC ICR18650 D1 (CL) |
| | | 632115-241 | | DAK100885-K020701LH | SDI ICR18650-30A (CL) |

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| | | | | DAK100885-K02RC01LH | |
| | | 632115-242 | | DAK108500-K020701HT DAK108500-K020702HA | SDI ICR18650-30A (CL) |
| BE06067XL | HSTNN-DB7Y | 918045-2C1 | DAK125150-W0P0701HT DAK125150-W0P0702HA | | COSLIGHT416760,2.9Ah (PY) |
| | | 918045-271 | DAK125150-W0G0701HT DAK125150-W0G0702HA | | ATL416760,2.9Ah (PY) |
| BL04056XL | HSTNN-DB8M | L07353-2C1 | DAK127300-W0P0703HT DAK127300-W0P0704HA | | Coslight CA446872G, 3.75Ah (PY) |
| | | L07353-241 | DAK127300-W020703HT DAK127300-W020704HA | | SDI PGF446872H, 3.75Ah (PY) |
| BM04056XL | HSTNN-DB8L | L02031-2C1 | DAK127300-W0P0701HT DAK127300-W0P0702HA | | Coslight CA446872G, 3.75Ah (PY) |
| | | L02031-241 | DAK127300-W020701HT DAK127300-W020702HA | | SDI PGF446872H, 3.75Ah (PY) |
| BO04040XL | HSTNN-DB7H | 826004-2C1 | DAK125270-W0P0701HT DAK125270-W0P0702HA | DAK105270-K0P0702HA DAK105270-K0P0701HT | COSLIGHT CA336975-1 (PY) |
| | | 826004-2B1 | DAK125270-W0H0701HT DAK125270-W0H0702HA | DAK105270-K0H0702HA DAK105270-K0H0701HT | LISHEN SP336975SK (PY) |
| BT04052XL | HSTNN-DB3Z | 687517-2C1 | DAK123515-W0P0701HT DAK123515-W0P0702HA | DAK120351-K0P0701LH DAK120351-K0PRC01LH | Coslight - CA605585 3.55Ah (PY) |
| | | 687517-241 | DAK123570-W020701HT DAK123570-W020702HA | DAK120357-K020701LH DAK120357-K02RC01LH | SDI PGF 605586A (PY) |
| CA06055 | HSTNN-DB4X | 718676-241 | DAK105100-W020701HT DAK105100-W020702HA | DAK100510-K020702LH DAK100510-K02RC03LH | SDI Li-i ICR18650-26H (CL) |
| | | 718676-221 | DAK105100-W090702HT DAK105100-W090701HA | DAK100510-K090702LH DAK100510-K09RC02LH | LGC Li-i ICR18650-B4 (CL) |
| CA06055XL | HSTNN-DB4Y | 718677-241 | DAK105100-W020703HT DAK105100-W020704HA | DAK100510-K020701LH DAK100510-K02RC02LH | SDI Li-i ICR18650-28A (CL) |
| | | 718677-221 | DAK105100-W090703HT DAK105100-W090704HA | DAK100510-K090703LH DAK100510-K09RC01LH | LGC ICR18650 C2 (CL) |
| | | 718677-222 | DAK105400-W090701HT DAK105400-W090702HA | DAK105400-K090701HT DAK105400-K090702HA | LGC Li-i ICR18650 C4 2.8 (CL) |
| CA09100 | HSTNN-DB4Z | 718678-241 | DAK108850-W020701HT DAK108850-W020702HA | DAK100885-K020702LH DAK100885-K02RC02LH | SDI ICR18650-30A (CL) |
| | | 718678-221 | DAK108850-W090701HT DAK108850-W090702HA | DAK100885-K090702LH DAK100885-K09RC01LH | LGC ICR18650 D1 (CL) |
| CC03031 | HSTNN-DB2E | 628367-221 | DAK102800-W090708HT DAK102800-W090707HA | DAK100280-K090706LH DAK100280-K09RC04LH | LGC Li-i ICR18650 C2 2.8 (CL) |

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| | | 628367-251 | DAK102800-W010708HT DAK102800-W010707HA | DAK100280-K010700LH DAK100280-K01RC02LH | Sanyo 18650ZT3 2.8Ah (CL) |
| CM03024XL | HSTNN-DB4Q | 716723-271 | DAK122200-W0G0701HT DAK122200-W0G0702HA | DAK120220-K0G0701LH DAK120220-K0GRC01LH | ATL564869 (PY) |
| | | 716723-2C1 | DAK122200-W0P0702HT DAK122200-W0P0701HA | DAK120220-K0P0701LH DAK120220-K0PRC01LH | Coslight CA564868 (PY) |
| CO06060XL | HSTNN-DB5A | 719320-271 | DAK125400-W0G0702HT DAK125400-W0G0701HA | DAK120540-K0G0701LH DAK120540-K0G0702HA | ATL426385 (PY) |
| | | 719320-2C1 | DAK125400-W0P0701HT DAK125400-W0P0703HA | DAK120540-K0P0701LH DAK120540-K0P0702HA | COSLIGHT426385 (PY) |
| | | 719320-2C2 | DAK125400-W0P0704HT DAK125400-W0P0702HA | DAK125400-K0P0701HT DAK125400-K0P0702HA | COSLIGHT426385 (PY) |
| CS03046XL | HSTNN-DB6U | 800231-271 | DAK124080-W0G0701HT DAK124080-W0G0702HA | DAK124080-K0G0702HT DAK124080-K0G0701HA | ATL 506480,4.08AH (PY) |
| | | 800231-2C1 | DAK124080-W0P0701HT DAK124080-W0P0702HA | DAK124080-K0P0701HT DAK124080-K0P0702HA | Coslight 506480,4.08AH (PY) |
| CI03048XL | HSTNN-DB7N | 801517-221 | DAK104220-W090703HA DAK104220-W090702HT | | LG 606080 A2 4.22Ah (PM) |
| | | 801517-241 | DAK104210-W020701HT DAK104210-W020702HA | | SDI 596080C 4.212Ah (PM) |
| | | 801517-231 | DAK104385-W070701HA DAK104385-W070702HT | | PAN NCA596080SA 4.385Ah (PM) |
| | | 801517-222 | DAK104220-W090706HA DAK104220-W090705HT | | LG 606080 A2 4.22Ah (PM) |
| | | 801517-242 | DAK104210-W020704HA DAK104210-W020703HT | | SDI 596080C 4.212Ah (PM) |
| | | 801517-232 | DAK104385-W070704HA DAK104385-W070703HT | | PAN NCA596080SA 4.385Ah (PM) |
| DN02037 | HSTNH-C412D-SD | 780731-271 | DAK829900-W0G0701HA DAK829900-W0G0701HT | DAK829900-K0G0702HA DAK829900-K0G0701HT | ATL 29A8C5 (PY) |
| | | 780731-2C1 | DAK829900-W0P0701HT DAK829900-W0P0702HA | DAK829900-K0P0702HA DAK829900-K0P0701HT | Coslight CA29A8C5HV (PY) |
| DN04070XL | HSTNN-DB7P | 856301-2C1 | DAK124550-W0P0701HT DAK124550-W0P0702HA | | Coslight CA606072G (PY) |
| DV04046XL | HSTNH-W612-DP | 863693-2C1 | DAK126180-W0P0703HT DAK126180-W0P0702HA | | COSLIGHT CA2662C0G (PY) |
| | | 863693-2B1 | DAK126180-W0H0703HT DAK126180-W0H0702HA | | Lishen SP2763C1SF (PY) |
| DG06099XL | HSTNN-DB8G | 925197-271 | DAK128572-W0G0701HA | | ATL606072,4.55Ah (PY) |

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| | | | DAK128572-W0G0702HT | | |
| DX06072XL | HSTNN-DB9B | L32701-2C1 | DAK126312-W0P0701HT DAK126312-W0P0702HA | | Coslight CA674363G (PY) |
| EA02021 | HSTNH-C408M-SD | 799499-2B1 | DAK825530-W0H0702HT DAK825530-W0H0701HA | DAK825530-K0H0703HT DAK825530-K0H0704HA | Lishen SP308576SE (PY) |
| | | 799499-2C1 | DAK825530-W0P0701HT DAK825530-W0P0702HA | DAK825530-K0P0703HT DAK825530-K0P0704HA | Coslight CA308476HV (PY) |
| FC01015 | HSTNH-F606-DP | 838266-2C1 | DAK824150-W0P0702HA DAK824150-W0P0701HT | | Coslight CA466284G (PY) |
| GM02047XL | HSTNN-DB7X | 917679-271 | DAK126150-W0G0701HT DAK126150-W0G0702HA | | ATL4473A9,6.15Ah (PY) |
| | | 917679-2C1 | DAK126150-W0P0701HA DAK126150-W0P0702HT | | COSLIGHT4473A9,6.15Ah (PY) |
| | | 917679-241 | DAK126150-W020701HA DAK126150-W020702HT | | SDI 4473A9, 6.15Ah (PY) |
| GB02047XL | HSTNN-DB7X | L42550-271 | DAK126150-W0G0703HT DAK126150-W0G0704HA | | ATL4473A9,6.15Ah (PY) |
| | | L42550-2C1 | DAK126150-W0P0703HT DAK126150-W0P0704HA | | COSLIGHT4473A9,6.15Ah (PY) |
| | | L42550-241 | DAK126150-W020703HT DAK126150-W020704HA | | SDI 4473A9, 6.15Ah (PY) |
| HT03041XL | HSTNN-DB8S | L11421-2C1 | DAK123600-W0P0704HA DAK123600-W0P0703HT DAK123600-W0P0707HT DAK123600-W0P0708HA | | COSLIGHT515974,3.72Ah (PY) |
| | HSTNN-DB8R | L11421-2C2 | DAK123600-W0P0702HA DAK123600-W0P0701HT DAK123600-W0P0706HT DAK123600-W0P0705HA | | COSLIGHT515974,3.72Ah (PY) |
| | | L11421-2D1 | DAK123600-W110702HA DAK123600-W110701HT DAK123600-W110703HT DAK123600-W110704HA | | HIGHPOWER515974,3.72Ah (PY) |
| HT03041XL (2019) | HSTNN-DB8S | L11421-2C3 | DAK123600-W0P0709HT DAK123600-W0P0710HA DAK123600-W0P0711HT DAK123600-W0P0712HA | | COSLIGHT515974,3.72Ah (PY) |
| | HSTNN-DB8R | L11421-2D2 | DAK123600-W110705HT DAK123600-W110706HA | | HIGHPOWER515974,3.72Ah (PY) |

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| | | | DAK123600-W110707HT DAK123600-W110708HA | | |
| | HSTNN-DB9D | L11421-271 | DAK123620-W0G0701HT DAK123620-W0G0702HA DAK123620-W0G0703HT DAK123620-W0G0704HA | | ATL NCM 515974,3.72Ah (PY) |
| JC03031 | HSTNN-DB8A | 919681-241 | DAK102800-W020709HT DAK102800-W020710HA | | SDI 18650 28A 2.8Ah (CL) |
| | HSTNN-DB8E | 919681-221 | DAK102850-W090701HT DAK102850-W090704HA | | LGC 18650 2.85Ah C4 (CL) |
| | HSTNN-DB8A | 919681-231 | DAK102800-W010711HT DAK102800-W010710HA | | Sanyo 18650ZT 2.8Ah (CL) |
| JC04041 | HSTNN-DB8B | 919682-241 | DAK102800-W020708HT DAK102800-W020707HA | | SDI 18650 28A 2.8Ah (CL) |
| | HSTNN-DB8F | 919682-221 | DAK102850-W090703HT DAK102850-W090702HA | | LGC 18650 2.85Ah C4 (CL) |
| | HSTNN-DB8B | 919682-231 | DAK102800-W010709HT DAK102800-W010712HA | | Sanyo 18650ZT 2.8Ah (CL) |
| J104047XL | HSTNN-DB8I | 901307-2C1 | DAK826110-W0P0701HT DAK826110-W0P0702HA | | Coslight CA386671G (PY) |
| KB06079XL | HSTNN-DB7R | 902401-2C1 | DAK126860-W0P0702HA DAK126860-W0P0701HT | | COSLIGHT475083,3.43Ah (PY) |
| KC04053XL | HSTNN-DB8P | L08544-2B1 | DAK123454-W0H0701HT DAK123454-W0H0702HA | | LISHEN486566,3.54Ah (PY) |
| LA03031DF | HSTNN-DB6N | 775625-221 | DAK102792-W090701HT DAK102792-W090702HA | DAK102792-K090701HA DAK102792-K090702HT | LGC ICR18650C2 2.8Ah (CL) |
| | | 775625-222 | DAK102800-W090709HT DAK102800-W090710HA | DAK102800-K090704HA DAK102800-K090703HT | LGC INR18650C4 2.8Ah (CL) |
| LA04048 | HSTNN-DB5N | 728249-241 | | DAK100320-K020702HA DAK100320-K020701HT | SDI LI-ION ICR18650-32A (CL) |
| LP03048XL | HSTNN-DB7C | 807211-241 | DAK104212-W020701HT DAK104212-W020702HA | DAK104212-K020701HA DAK104212-K020702HT | SDI 596080C 4.212Ah (PM) |
| | | 807211-221 | DAK104220-W090701HT DAK104220-W090704HA | DAK104220-K090702HA DAK104220-K090701HT | LG 606080 A2 4.22Ah (PM) |
| MG04040XL | HSTNN-DB7F | 812060-2C1 | DAK125200-W0P0701HA DAK125200-W0P0702HT DAK825200-W0P0701HT DAK825200-W0P0702HA | DAK125200-K0P0702HA DAK125200-K0P0701HT | Coslight 316581 (PY) |

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| | | 812060-2B1 | DAK125200-W0H0701HA DAK125200-W0H0702HT DAK825200-W0H0702HT DAK825200-W0H0701HA | DAK125200-K0H0702HA DAK125200-K0H0701HT | Lishen 316581 (PY) |
| MM02021 | HSTNH-C408M-SD | 780730-2B1 | DAK825530-W0H0703HT DAK825530-W0H0704HA | DAK825530-K0H0701HA DAK825530-K0H0702HT | Lishen SP308576SE (PY) |
| | | 780730-2C1 | DAK825530-W0P0704HT DAK825530-W0P0703HA | DAK825530-K0P0701HA DAK825530-K0P0702HT | Coslight CA308476HV (PY) |
| MM02037XL | HSTNN-DB8U | L27868-2D1 | DAK124960-W110701HT DAK124960-W110702HA | | HIGHPOWER3674C0,4.96Ah (PY) |
| MU06047 | HSTNN-DB0W | 586007-2A1 | DAK100440-W0L0701LH | DAK100440-K0L0701LH | BAK C4 2.2Ah (CL) |
| | | 586007-2A2 | DAK100440-W0L0702LH | DAK100440-K0L0703LH | BAK C4 2.2Ah (CL) |
| | | 586007-2A3 | | DAK100450-K0L0700LH | BAK CA 2.25Ah (CL) |
| | | 586007-251 | DAK100440-W010701LH | DAK100440-K010701LH | SANYO A 2.2Ah (CL) |
| | | 586007-252 | DAK100440-W010702LH DAK100440-W01RC02LH | DAK100440-K010703LH DAK100440-K01RC03LH | SANYO A 2.2Ah (CL) |
| | | | 586007-253 | DAK100440-W010703LH DAK100440-W01RC01LH | DAK100440-K010706LH DAK100440-K01RC02LH |
| | | 586007-241 | | DAK100440-W020701LH | DAK100440-K020701LH |
| | | 586007-242 | DAK100440-W020702LH DAK100440-W02RC01LH | DAK100440-K020703LH DAK100440-K02RC02LH | SDI 22F 2.2Ah (CL) |
| | | | 586007-243 | | DAK100440-K020709LH DAK100440-K020710HA |
| | | 586007-221 | DAK100440-W090701LH | DAK100440-K090701LH | LGC S3 2.2Ah (CL) |
| | | 586007-222 | DAK100440-W090702LH DAK100440-W09RC01LH | DAK100440-K090702LH DAK100440-K09RC01LH | LGC S3 2.2Ah (CL) |
| NB02028XL | HSTNN-DB5K | 726241-2C1 | | DAK120400-K0P0702HT DAK120400-K0P0703HA | COSLIGHT CA3976A8, 4.05Ah (PY) |
| OL02033XL | HSTNN-DB5Z | 750334-2C1 | DAK124460-W0P0702HT DAK124460-W0P0701HA | DAK120446-K0P0701HT DAK120446-K0P0702HA | COSLIGHT4165B8,4.56AH (PY) |
| | | 750334-2B1 | DAK124460-W0H0702HT DAK124460-W0H0701HA | DAK120446-K0H0702HT DAK120446-K0H0701HA | LISHEN4165B8,4.56AH (PY) |
| OY06021XL | HSTNN-DB6A | 750335-2C1 | DAK122850-W0P0701HT DAK122850-W0P0702HA | DAK120285-K0P0702HT DAK120285-K0P0701HA | COSLIGHT264568,0.95AH (PY) |
| | | 750335-2B1 | DAK122850-W0H0702HT DAK122850-W0H0701HA | DAK120285-K0H0702HT DAK120285-K0H0701HA | LISHEN264568,0.95AH (PY) |
| OR04053XL | HSTNN-DB9C | L34209-2B1 | DAK126900-W0H0702HA DAK126900-W0H0701HT | | LISHEN SP486566SG 3.54Ah (PY) |
| PA06062 | HSTNN-DB7K | 849571-221 | DAK105700-W090701HT | | LGC INR18650 C4 (CL) |

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| | | | DAK105700-W090702HA | | |
| | | 849571-251 | DAK105600-W010701HT DAK105600-W010702HA | | SAN Li-i UR18650ZT (SUZ) (CL) |
| PI06047 | HSTNN-DB4N | 709988-241 | DAK104400-W020701HT DAK104400-W020702HA | DAK100440-K020705LH DAK100440-K02RC04LH | SDI ICR18650-22F (CL) |
| | | 709988-242 | DAK104400-W020704HT DAK104400-W020703HA | DAK100440-K020707LH DAK100440-K020712HA | SDI ICR18650-22FM (CL) |
| | | 709988-251 | DAK104400-W010703HT DAK104400-W010704HA | DAK100440-K010711LH DAK100440-K01RC04LH | Sanyo UR 18650 AY (CL) |
| | | 709988-252 | DAK104400-W010701HT DAK104400-W010702HA | DAK100440-K010714HT DAK100440-K010713HA | Sanyo UR 18650 AY (Suzhou) (CL) |
| | | 709988-221 | DAK104400-W090702HT DAK104400-W090701HA | DAK100440-K090703LH DAK100440-K09RC02LH | LGC ICR18650S3 (CL) |
| PI06062 | HSTNN-DB4O | 709989-241 | DAK105585-W020704HT DAK105585-W020703HA | DAK100558-K020704LH DAK100558-K02RC01LH | SDI ICR18650-28A (CL) |
| | | 709989-221 | DAK105585-W090702HT DAK105585-W090703HA | DAK100558-K090704LH DAK100558-K09RC02LH | LGC ICR 18650C2 (CL) |
| PK03056XL | HSTNN-DB6S | 788237-2C1 | DAK124960-W0P0701HT DAK124960-W0P0702HA | DAK124960-K0P0701HT DAK124960-K0P0702HA | Coslight CA3674COHV-2 (PY) |
| | | 788237-2C2 | DAK124960-W0P0703HT DAK124960-W0P0704HA | | |
| | | 788237-2C3 | DAK124960-W0P0706HT DAK124960-W0P0705HA | | |
| PL03043 | HSTNN-DB6O | 778813-221 | DAK103820-W090701HT DAK103820-W090702HA | DAK123820-K090701HT DAK123820-K090702HA | LGC 606080L1 3.82AH (PM) |
| | | 778813-231 | DAK104180-W070701HT DAK104180-W070702HA | DAK124180-K070701HT DAK124180-K070702HA | PANASONIC NCA596080 4.18AH (PM) |
| PS03043XL | HSTNN-DB6R | 787088-221 | DAK103820-W090703HT DAK103820-W090704HA | DAK123820-K090703HT DAK123820-K090704HA | LGC 606080L1 3.82AH (PM) |
| | | 787088-241 | DAK103900-W020701HT DAK103900-W020702HA | DAK123900-K020701HT DAK123900-K020702HA | SDI 596080A 3.90AH (PM) |
| PO02037XL | HSTNN-DB7G | 823908-2C1 | DAK124870-W0P0701HT DAK124870-W0P0702HA | DAK124870-K0P0702HA DAK124870-K0P0701HT | Coslight CA3674COHV-2 (PY) |
| | | 823908-2D1 | DAK124950-W110702HA DAK124950-W110701HT | | Highpower HPP3674120AB (PY) |
| PF06095XL | HSTNN-DB7M | 852801-2C1 | DAK128300-W0P0702HT DAK128300-W0P0701HA | | Coslight 466484G (PY) |
| RE03045XL | HSTNN-DB9A | L32407-2B1 | DAK123900-W0H0701HA DAK123900-W0H0702HT | | Lishen SP515974SG, 3.92Ah (PY) |

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|------------|------------|------------|--|--|-----------------------------------|
| | | L32407-2C1 | DAK123900-W0P0701HA DAK123900-W0P0702HT | | Coslight CA515974G-Q. 3.92Ah (PY) |
| RO04040XL | HSTNN-DB6Y | 805044-251 | DAK102710-W010702HT DAK102710-W010701HA | | SAN UR18650ZTA(SUZ) (CL) |
| | | 805044-221 | DAK102710-W090703HT DAK102710-W090704HA | | LGC ICR18650 D1 (CL) |
| RO04041 | HSTNN-DB8N | L07348-221 | DAK102850-W090707HT DAK102850-W090708HA | | LGC INR18650 C4 (CL) |
| RO04044 | HSTNN-DB7A | 805045-241 | DAK102950-W020702HT DAK102950-W020701HA | DAK102950-K020703HT DAK102950-K020704HA | SDI ICR18650-30A (CL) |
| | | 805045-221 | DAK102950-W090701HT DAK102950-W090702HA | DAK102950-K090701HT DAK102950-K090702HA | LGC ICR18650 D1 (CL) |
| | | 805045-222 | DAK103015-W090703HT DAK103015-W090702HA | | LGC INR18650 D2 (CL) |
| | | 805045-251 | DAK102950-W010703HT DAK102950-W010704HA | | SAN UR18650ZTA(SUZ) (CL) |
| RI04041 | HSTNN-DB8O | L07349-221 | DAK102850-W090705HT DAK102850-W090706HA | | LGC INR18650 C4 (CL) |
| RI04044 | HSTNN-DB7B | 805047-241 | DAK102950-W020703HT DAK102950-W020704HA | DAK102950-K020701HT DAK102950-K020702HA | SDI ICR18650-30A (CL) |
| | | 805047-221 | DAK102950-W090704HT DAK102950-W090703HA | DAK102950-K090703HT DAK102950-K090704HA | LGC ICR18650 D1 (CL) |
| | | 805047-222 | DAK103015-W090704HT DAK103015-W090701HA | | LGC INR18650 D2 (CL) |
| | | 805047-251 | DAK102950-W010702HT DAK102950-W010701HA | | SAN UR18650ZTA(SUZ) (CL) |
| SE04041XL | HSTNN-DB7Q | 860724-2C1 | DAK825460-W0P0702HT DAK825460-W0P0701HA | | Coslight CA316581G-H (PY) |
| | | 860724-2B1 | DAK825460-W0H0702HT DAK825460-W0H0701HA | | Lishen SP316581SG-C (PY) |
| SS03050XL | HSTNN-DB8J | 932823-271 | DAK124330-W0G0702HA DAK124330-W0G0701HT | | ATL 614882, 4.33Ah (PY) |
| | | 932823-2C1 | DAK124330-W0P0702HA DAK124330-W0P0701HT | | Coslight 614882G, 4.33Ah (PY) |
| | | 932823-2B1 | DAK124330-W0H0701HT DAK124330-W0H0702HA | | LISHEN SP614882SG (PY) |
| SX03031 | HSTNN-DB2J | 632014-241 | | DAK100280-K020704LH | SDI Li-i ICR18650-28A (CL) |
| | | 632014-221 | | DAK100280-K090707LH | LGC ICR18650C2 (CL) |
| SX03031PCR | | 632014-242 | | DAK100280-K020706LH | SDI Li-i ICR18650-28A (CL) |

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| | | | | DAK100280-K02RC02LH | |
| | | 632014-222 | | DAK100280-K090708LH DAK100280-K09RC03LH | LGC ICR18650C2 (CL) |
| SX09100 | HSTNN-DB2M | 632017-241 | | DAK100900-K020701LH | SDI Li-I ICR 18650-30A (CL) |
| | | 632017-221 | | DAK100900-K090701LH | LGC ICR18650 D1 (CL) |
| SX09100PCR | | 632017-242 | | DAK100900-K020702LH DAK100900-K02RC01LH | SDI Li-I ICR 18650-30A (CL) |
| | | 632017-222 | | DAK100900-K090703LH DAK100900-K09RC01LH | LGC ICR18650 D1 (CL) |
| SK02030XL | HSTNN-DB6G | 756186-271 | | DAK120415-K0G0702HA DAK120415-K0G0701HT | ATL556787,4.15Ah (PY) |
| | | 756186-2C1 | | DAK120415-K0P0702HA DAK120415-K0P0701HT | COSLIGHT556787,4.15Ah (PY) |
| SN03044XL | HSTNN-DB6V | 800232-271 | DAK123910-W0G0702HT DAK123910-W0G0701HA | DAK123910-K0G0701HT DAK123910-K0G0702HA | ATL505295,3.91AH (PY) |
| | | 800232-241 | DAK123910-W020702HT DAK123910-W020701HA | DAK123910-K020701HT DAK123910-K020702HA | SDI505295,3.91AH (PY) |
| SR04070XL | HSTNN-DB7W | 917678-271 | DAK124550-W0G0701HA DAK124550-W0G0702HT | | ATL606072,4.55Ah (PY) |
| | | 917678-2B1 | DAK124550-W0H0701HA DAK124550-W0H0702HT | | LISHEN606072,4.55Ah (PY) |
| SR03052XL | HSTNN-DB8Q | L08934-2B1 | DAK124550-W0H0704HT DAK124550-W0H0703HA | | LISHEN606072,4.55Ah (PY) |
| | | L08934-2C1 | DAK124550-W0P0704HA DAK124550-W0P0703HT | | COSLIGHT606072,4.55Ah (PY) |
| SY03060XL | HSTNN-DB8X | L29913-221 | DAK125275-W090701HT DAK125275-W090702HA | | LGC P368598B1 (PY) |
| | | L29913-2C1 | DAK125275-W0P0701HT DAK125275-W0P0702HA | | Coslight CA368598G-Q (PY) |
| SU06084XL | HSTNN-DB8W | L29048-271 | DAK127260-W0G0706HT DAK127260-W0G0705HA | | ATL485083,3.64Ah (PY) |
| TA03051XL | HSTNN-DB7O | 854047-271 | DAK124420-W0G0702HA DAK124420-W0G0701HT | | ATL 506480 4.42Ah (PY) |
| | | 854047-2C1 | DAK124420-W0P0702HA DAK124420-W0P0701HT | | Coslight 506479G 4.42Ah (PY) |
| | | 854047-221 | DAK124420-W090702HA DAK124420-W090701HT | | LG 506480 4.42Ah (PY) |
| TE04063XL | HSTNN-DB7T | 905175-2C1 | DAK124112-W0P0701HT DAK124112-W0P0702HA | | Coslight CA664878G (PY) |

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| | | 905175-271 | DAK124112-W0G0702HT DAK124112-W0G0701HA | | ATL664878 (PY) |
| TE04061XL | HSTNN-DB8T | L15188-2C1 | DAK123993-W0P0701HT DAK123993-W0P0702HA | | Coslight CA664878G (PY) |
| TT03056XL | HSTNN-DB8K | 932824-2C1 | DAK124850-W0P0701HA DAK124850-W0P0702HT | | Coslight CA615383G, 4.85Ah (PY) |
| VI04040XL | HSTNN-DB6L | 756481-241 | DAK102710-W020701HT DAK102710-W020702HA | DAK100271-K020702HT DAK100271-K020701HA | SDI ICR18650-30A (CL) |
| | | 756481-221 | DAK102710-W090701HT DAK102710-W090702HA | DAK100271-K090702HT DAK100271-K090701HA | LGC ICR18650 D1 (CL) |
| VK04041 | HSTNN-DB4M | 708358-241 | | DAK100280-K020703LH DAK100280-K02RC01LH | SDI ICR18650-28A (CL) |
| | | 708358-221 | | DAK100280-K090703LH DAK100280-K09RC02LH | LGC ICR18650C2 (CL) |
| VV09090XL | HSTNN-DB7D | 808398-2C1 | DAK127905-W0P0702HA DAK127905-W0P0701HT | DAK107905-K0P0702HA DAK107905-K0P0701HT | COSLIGHT336975 (PY) |
| | | 808398-2B1 | DAK127905-W0H0702HA DAK127905-W0H0701HT | DAK107905-K0H0701HT DAK107905-K0H0H01HA | LISHEN336975 (PY) |
| | | 808398-2C2 | DAK127905-W0P0704HT DAK127905-W0P0703HA | | COSLIGHT336975 (PY) |
| | | 808398-2B2 | DAK127905-W0H0704HT DAK127905-W0H0703HA | | LISHEN336975 (PY) |
| YB06084XL | HSTNN-DB8H | 928427-271 | DAK127260-W0G0702HA DAK127260-W0G0701HT | | ATL485083,3.64Ah (PY) |
| | HSTNN-DB8V | 928427-272 | DAK127260-W0G0704HT DAK127260-W0G0703HA | | ATL485083,3.64Ah (PY) |
| ZN08092XL | HSTNN-DB7U | 907428-2C1 | DAK125975-W0P0701HT DAK125975-W0P0702HA | | Coslight CA336975G (PY) |

Notice 1: CL – Cylindrical type; PM – Prismatic type; PY – Polymer type

Notice 2:

- * Lithium ion cells and batteries may be offered for transport if they meet the following :
- * for cells, the Watt-hour rating is not more than 20 Wh;
- * for batteries, Watt-hour rating is not more than 100 Wh. The Watt-hour rating must be marked on the outside of the battery case except those manufactured before 1 January 2009 which may be transported without this marking until 31 December 2010;

MANUFACTURER

Headquarter

Dynapack International Technology Corporation.

3F, No. 66, Hwa-Ya 1st Road, Hwa-Ya Technology Park Guei-Shan Hsiang, Taoyuan, 333,
Taiwan

TEL : 886-3-3963399

Http://www.dynapack.com.tw

Dynapack electronics Technology (Suzhou) Co. Ltd

Wujiang(WJ) Factory

No.8 Hua-Gang Road, Wujiang Economic and Technological Development Zone, Suzhou
city, Jiang Su. PRC ZIP: 215200

Tel:86-512-63408688

Dynapack electronics Technology (Kunshan) Co. Ltd

Kunshan(KS) Factory

No.68 Taoyuan Road, Kunshan Export Processing Zone, Area B,
Kunshan Jiang Su, PRC

Tel:86-512-57725688

EMERGENCY CONTACT

1+800-424-9300

OUSIDE THE UNITED STATES

1+703-527-3887

2. Hazards Identification

Hazard classification:

The product is not classified for GHS. The batteries are defined as "articles", they are exempt from the requirements of the Hazard Communication Standard.

Primary routes of entry: Skin contact. Skin absorption, eye contact, inhalation and ingestion: NO

Symptoms of exposure: Skin contact. No effect under routine handling and use.

Skin absorption: No effect under routine handling and use.

Eye contact: No effect under routine handling and use.

Inhalation: No effect under routine handling and use.

Reported as carcinogen: Not applicable

According to the OSHA Hazard Communication Standard (29 CFR 1910.1200) this product is not classified as hazardous.

3. Composition/information on ingredients

Composition

CAS number: Not specified (A-1 and A-2):

A-1. Cases: Plastic or Metal Not dangerous

A-2. Printed Circuit Board Assembly Not dangerous

| A-3. Lithium Ion Cell: | | | | CAS No. |
|--------------------------------|-----|---|-----|--|
| Aluminum | 2% | - | 10% | 7429-90-5 |
| Metal Oxide (proprietary) | 20% | - | 50% | 12190-79-3 |
| Polyvinylidene fluoride (PVDF) | 0% | - | 5% | 24937-79-9 |
| Copper | 2% | - | 10% | 7440-50-8 |
| Carbon (proprietary) | 10% | - | 30% | 1333-86-4 |
| Electrolyte (proprietary) | 10% | - | 20% | Main Component: 96-49-1, 623-53-0, 108-32-7 |

4. First Aid Measures

IF EXPOSURE TO INTERNAL MATERIALS WITHIN CELL DUE TO DAMAGED OUTER CASING , THE FOLLOWING ACTIONS ARE RECOMMENDED.

Inhalation: Leave area immediately and seek medical attention.

Eye contact: Rinse eyes with water for 15 minutes and seek medical attention.

Skin contact: Wash area thoroughly with soap and water and seek medical attention.

Ingestion: Drink milk/water and induce vomiting; seek medical attention

5. Fire Fighting Measures

Extinguishing Media: Use extinguishing media suitable for the materials that are burning. Use metal fire extinction powder or dry sand if only few cells are involved.

Firefighting Equipment: Use NIOSH/MSHA approved full-face self-contained breathing apparatus (SCBA) with full protective gear.

6. Accidental Release Measures

On Land: Place material into suitable containers and call local fire/police department.

In water: If possible. Remove from water and call local fire/police department

7. Handling and Storage

Handling:

Do not expose the battery to excessive physical shock or vibration. Short-circuiting should be avoided. However, accidental short-circuiting for a few seconds will not seriously affect the battery. Prolonged short circuits will cause the battery to rapidly lose energy, could generate enough heat to burn skin. Sources of short circuits include jumbled batteries in bulk containers, coins, metal jewelry, metal covered tables, or metal belts used for assembly of batteries in devices. To minimize risk of short-circuiting, the protective case supplied with the battery should be used to cover the terminals when transporting or storing the battery. Do not

disassemble or deform the battery. Should an individual cell within a battery become ruptured, do not allow contact with water.

Storage:

The lithium ion battery should be between 25% and 75% of full charge when stored for a long period of time. Store in a cool, dry, well ventilated area. And temperature above 100 degrees Celsius can result in loss of battery performance, leakage, or rust. Do not expose the battery to open flames.

8. Exposure Controls / Personal Protection

Engineering Controls : Keep away from heat and open flame. Store in a cool dry place.

Personal Protection :

Respirator : Not required during normal operations. SCBA required in the event of a fire.

Eye/Face Protection : Not required beyond safety practices of employer.

Gloves : Not required for handling of battery

Foot Protection: Steel toed shoes recommended for large container handling.

9. Physical and Chemical Properties

| | |
|---------------------|-----------|
| State | solid |
| Odor | N/A |
| PH | N/A |
| Vapor pressure | N/A |
| Vapor density | N/A |
| Boiling point | N/A |
| Solubility in water | Insoluble |
| Specific gravity | N/A |
| Density | N/A |

10. Stability and Reactivity

Reactivity: None

Incompatibilities: None during normal operation. Avoid exposure to heat, open flame, and corrosives.

Conditions To Avoid: Avoid exposure to heat and open flame. Don not puncture, crush or incinerate.

11. Toxicological Information

This product does not elicit toxicological properties during routine handling and use.

12. Ecological Information

Lithium ion battery pack can be disposable in accordance with appropriate federal, state and local regulations.

13. Disposal Considerations

Recommended methods for safe and environmentally preferred disposal:

Product(waste from residues)

Do not throw out a used battery. Recycle it through the recycling company.

Contaminated packaging

Neither a container nor packing is contaminated during normal use. When internal materials leaked from a battery contaminates, dispose as industrial wastes subject to special control.

14. Transport Information

Lithium ion batteries containing no more than 1.5g/cell and 8g/battery pack and also power is no more than 20Wh/cell and 100Wh/battery pack of lithium can be treated as "Non-dangerous goods" under the United Nations Recommendations on the Transport of Dangerous Goods, Special Provision 188, provided that packaging is strong and prevent the products from short-circuit.

With regard to air transport, the following regulations are cited and considered:

- The International Civil Aviation Organization (ICAO) Technical Instructions (2017-2018 Edition)
- The International Air Transport Association (IATA) Dangerous Goods Regulations (59th Edition, 2018) Special Provisions A154, A164& package instruction Section II of 965, 966 and 967 for lithium ion batteries), or package instruction Section IB of 965.
- The International Maritime Dangerous Goods (IMDG) Code (2016 Edition), Special Provision 188.
- The US Hazardous Materials Regulation (HMR) pursuant to a final rule issued by RSPA (Part 49 CFR Sections 100-185),
- The Office of Hazardous Materials Safety within the US Department of Transportation's (DOT) Research and Special Programs Administration (RSPA), and
- The UN Recommendations on the Transport of Dangerous Goods Model Regulations

and the Manual of Tests and Criteria.

Our products are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to all the applicable international and national governmental regulations, not limited to the above mentioned. We further certify that the enclosed products have been tested and fulfilled the requirements and conditions in accordance with UN Recommendations 38.3 (T1-T8) on the Transport of Dangerous Goods Model Regulations and the Manual of Testes and Criteria that can be treated as “Non-Dangerous Goods”.

Lithium ion batteries only transport by air in accordance with PI965 at a state of charge (SOC) not to exceed 30 percent of rated design capacity.

UN# for this shipment is 3480, Haz-Mat class is 9, Proper DOT shipping name is Lithium ion batteries. Packing group IB

15. Regulatory Information

OSHA Hazard communication standard (29 CFR 1910.1200)

_____ Hazardous √ Non-hazardous

16. Other information -- UN Test Result

There is no hazards in accordance with the UN recommendations tests (Manual of Tests and Criteria , Part III , sub-section 38.3). This product passed 1.2 M drop test and comply with UN 38.3.

| No | ITEMS | RESULT | REMARKS |
|----|------------------------|--------|---------------|
| 1 | Altitude Simulation | Pass | |
| 2 | Thermal Test | Pass | |
| 3 | Vibration | Pass | |
| 4 | Shock | Pass | |
| 5 | External Short Circuit | Pass | |
| 6 | Impact | Pass | For cell only |
| 7 | Overcharge | Pass | |
| 8 | Forced discharge | Pass | |