

Modules Spec Sheet



| Product | Industrial HD | SB (MY 18) | LB (MY 19) | Atlas | BCB-1 | EV2 - 6S3P | EV2 - 12S2P | EV2 - 12S3P | EB42X (EVA2) |
|---|---|---|---|---|---|-----------------|-----------------|-----------------|---|
| Chemistry (Cathode) | NCM 6 Series | NCM 6 Series | NCM 6 Series | NCM 6 Series | NCM 8 Series | NCM 8 Series | NCM 8 Series | NCM 8 Series | NCM 8 Series |
| Chemistry (Anode) | Graphite | Graphite | Graphite | Graphite | Graphite | Graphite | Graphite | Graphite | Graphite |
| Product Application | Non-automotive | Non-automotive | Non-automotive | Non-automotive | Non-automotive | Automotive | Automotive | Automotive | Automotive |
| Product Features | Compact Size/ Light Weight/ High Strength/ Long Circle | Compact Size/ Light Weight/ High Strength/ Long Circle | Compact Size/ Light Weight/ High Strength/ Long Circle | Compact Size/ Light Weight/ High Strength/ Long Circle | Compact Size/ Light Weight/ High Strength/ Long Circle | | | | Compact Size/ Light Weight/ High Strength/ Long Circle |
| Product Certification | UN38.3(2024) | UN38.3(2024) | UN38.3(2024) | UN38.3(2024) | UN38.3(2024) | | | | UN38.3(2024) |
| Ingress Protection Rating (applicable to module/ pack) | IP65 | IP65 | IP65 | IP65 | IP65 | | | | |
| Cell Used | P32 Ni6 | P32 Ni6 | P32 Ni6 | P32 Ni6 | P73 Ni8 | P73 Ni8 | P73 Ni8 | P73 Ni8 | P73 Ni8 |
| Cell Group (applicable to module/ pack) | 28 - Cell | 28 - Cell | 56 - Cell | 84 - Cell | 28 - Cell | 18 - Cell | 24 - Cell | 36 - Cell | 36 - Cell |
| Configuration (applicable to module/ pack) | 14S2P | 28S1P | 28S2P | 14S6P | 14S2P | | 12S2P | 12S3P | 18S2P |
| Nominal Voltage [V] C/3, 25°C | 51.38 | 51.38 | 102.76 | 51.38 | 51.1 | 21.9 | 43.8 | 43.8 | 65.8 |
| Gravimetric Energy Density [Wh/kg] C/3, 25°C | 183 | 183 | 191 | 176 | 222 | 231 | 235 | 240 | 245 |
| Volumetric Energy Density [Wh/L] C/3, 25°C | 396 | 396 | 396 | 326 | 466 | 451 | 458 | 469 | 488.35 |
| Continuous Charge Power [C - rate] | 1.5C | 1.5C | 1.5C | 1.5C | 1.5C | 4C | 4C | 4C | 3C |
| Continuous Discharge Power [C - rate] | 1C | 1C | 1C | 1C | 1C | 1.8C | 1.8C | 1.8C | 2C |
| Max Discharge Power 10S, SOC 50% | 11.8KW | 11.8KW | 23.7KW | 35.6KW | 28KW | 21.35KW | 28.5KW | 42.7KW | 38KW |
| Recommended Charge Time [min] | 47 | 47 | 47 | 47 | 31 | 30 | 30 | 30 | 30 @35°C |
| Weight | 18 ± 0.5 kg | 18 kg | 35 kg | 58.4 kg | 33.5 kg | 20.8 kg | 27.2 kg | 40.4 kg | 39.08 ± 0.35 kg |
| Dimensions L x W x T [mm] | 248 x 200 x 167.5 - 168.5 | 248 x 200 x 167.5 - 168.5 | 385 x 248 x 171.0 - 172.5 | 691 x 256 x 176 ± 1.5 | 460 x 313 x 111.5 ± 1 | 311 x 110 x 311 | 311 x 110 x 408 | 311 x 110 x 604 | 590.2 ± 0.9 x 310.8 ± 0.8 x 107.3 ± 0.5 |
| Volume [Liter] (applicable to module/ pack) | 8.3 | 8.3 | 16.4 | 31 | 16 | 10.64 | 13.96 | 20.66 | 19.68 |

Modules Spec Sheet



| Product | EV2 - 20S2P | EV2 - 22S2P | VDA 590 - 12S2P | VDA 355 - 6S2P | VDA 355 - 3S4P | VDA 355 - 12S1P | EV3 9S3P | EV3 14S3P |
|--|--|--|--|---|---|---|---|---|
| Chemistry (Cathode) | NCM 6 Series | NCM 6 Series | NCM 8 Series | NCM 6 Series | NCM 8 Series | NCM 6 Series | NCM 8 Series | NCM 8 Series |
| Chemistry (Anode) | Graphite | Graphite | Graphite | Graphite | Graphite | Graphite | Graphite | Graphite |
| Product Application | Automotive | Automotive | VDA Platform | VDA Platform | VDA Platform | VDA Platform | Automotive | Automotive |
| Product Features | Compact Size/ Light Weight/ High Strength/ Long Circle | Compact Size/ Light Weight/ High Strength/ Long Circle | Compact Size/ Light Weight/ High Strength/ Long Circle | Compact Size/ Light Weight/ High Strength | Compact Size/ Light Weight/ High Strength | Compact Size/ Light Weight/ High Strength | Compact Size/ Light Weight/ High Strength | Compact Size/ Light Weight/ High Strength |
| Product Certification | GB 38031 | GB 38031 | UN38.3(2024) | | | | | |
| Ingress Protection Rating (applicable to module/ pack) | IP67 | IP67 | IP54 | IP54 | IP XXB | IP XXB | | |
| Cell Used | P64 Ni6 | P64 Ni6 | P75 Ni8 | P50 Ni6 | P50 Ni6 | P50/P55 Ni6 | P76 | P73 Ni8 |
| Cell Group (applicable to module/ pack) | 40 - Cell | 44 - Cell | 24 - Cell | 12 - Cell | 12 - Cell | 12 - Cell | 27 - Cell | 42 - Cell |
| Configuration (applicable to module/ pack) | 20S2P | 22S2P | 12S2P | 6S2P | 3S4P | 12S1P | 9S3P | 14S3P |
| Nominal Voltage [V] C/3, 25°C | 75.2 | 82.7 | 44.16 | 22.26 | 11.13 | 44.52 | 32.85 | 51.1 |
| Gravimetric Energy Density [Wh/kg] C/3, 25°C | 224.5 | 225.1 | 220 | 210 | 209 | 210 | 241.77 | 247.29 |
| Volumetric Energy Density [Wh/L] C/3, 25°C | 216 | 216 | 461.94 | 397 | 397 | 397 | 489 | 496.48 |
| Continuous Charge Power [C - rate] | 1C | 1C | 1.43C (5min @ 25°C, ≥ 40% SOC) | 1.2C | 1.2C | 1.2C | | |
| Continuous Discharge Power [C - rate] | 1.5C | 1.5C | equivalent 2.2C | 1C | 1C | 1C | | |
| Max Discharge Power 10S, SOC 50% | 47KW | 52KW | 36.45KW | 12.15KW (10S, 50%SOC, 25°C) | 12.15KW (10S, 50%SOC, 25°C) | 12.15KW (10S, 50%SOC, 25°C) | | |
| Recommended Charge Time [min] | 23.9 | 23.9 | 21 | 43.8 (25°C, 10% - 80%SOC) | <47 (25°C, 10% - 80%SOC) | 43.8 (25°C, 10% - 80%SOC) | | |
| Weight | 44.2 ± 1 kg | 48.5 ± 1 kg | 30 ± 0.5 kg | 10.8 ± 0.2 kg | 10.8 ± 0.2 kg | 10.8 ± 0.2 kg | 31.1 ± 0.5 kg | 47.3 ± 0.8 kg |
| Dimensions L x W x T [mm] | 602 x 390 x 93 ± 1 | 602 x 427 x 93 ± 1 | 589.4 ± 1 x 225 ± 1 x 108 ± 1 | 355 ± 1 x 151.5 ± 0.5 x 108.5 ± 0.5 | 355 ± 1 x 151.5 ± 0.5 x 108.5 ± 0.5 | 355 ± 1 x 151.5 ± 0.5 x 108.5 ± 0.5 | 450.7 ± 1.5 x 314.6 ± 1 x 108.4 ± 0.8 | 691.2 ± 1.5 x 314.6 ± 1 x 108.4 ± 0.8 |
| Volume [Liter] (applicable to module/ pack) | 21.8 | 23.9 | 14.43 | 4.25 | 4.25 | 4.25 | 15.37 | 23.56 |