## Carbon-based Power Capacitor Specifications

| Cell type | none | 18500T-10Ah32 | 18650T-13Ah25 | |
|---|---|---|---|---|
| Nominal capacity (discharged with standard profile <1C) ± 5% | | 1,00 | 1,25 | Ah |
| Rated capacity (discharging 50% max current till cut-off voltage) | | 0,95 | 1,20 | Ah |
| Nominal energy (discharged with standard profile <1C) | | 3,20 | 3,12 | Wh |
| Rated energy (discharging 50% max. current till cut-off voltage) | | 3,05 | 2,80 | Wh |
| Nominal voltage | | 3,20 | 2,50 | V |
| Max. recommended charging voltage | | 3,40 | 2,60 | V |
| Max. float charging voltage ** | | 3,30 | 2,58 | V |
| Recommended cut-off voltage @ 1C | | 2,50 | 1,60 | V |
| C Rating charging | | 3 | 12 | C |
| C Rating discharging | | 10 | 20 | C |
| Max. continuous discharging current | | 10 | 25 | A |
| Max. sustained power capability | | 32,0 | 62,5 | W |
| Equivalent max. resistance | | 20 | 13 | mΩ |
| Dimensions L x W xH mm | | 18,6 x 18,6 x 50 | 18,6 x 18,6 x 65,5 | mm |
| Recommended transportation voltage | | 3,10 | 2,40 | V |
| Recommended storage voltage | | 3,10 | 2,40 | V |
| Operating temperature | | -20 to +70 | -40 to +80 | °C |
| Storage temperature | | -5 to +35 | -5 to +35 | °C |
| Gravimetric energy density (cells) | | 100 | 80,0 | Wh/kg |
| Volumetric energy density (cells) | | 236 | 180 | Wh/dm³ |
| Cycles life at 25°C | | > 10000 cycles | > 20000 cycles | cycles |
| Retained energy after 28 days at 25°C | | 95 | 95 | % |
| Short circuit temperature | | < 150 | < 150 | °C |
| Guarantee period (manufacturing) | | 12 | 12 | months |
| Thermal heat at nominal current | | 0,020 | 0,020 | W |
| Weight of cells | | 30 | 39 | g |
| Fire Hazardous substances: Cells do not pose a fire or explosion risk. | | | | |

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