



Technical Data Sheet of CSIT cylinder sodium-ion battery

| Cell Model | 18650-1300mAh | 18650-1400mAh | 26700-3100mAh | 26700-3400mAh | 32140-10000mAh | 32140-15000mAh |
|----------------------------|--|-----------------|---------------|---------------|------------------|------------------|
| Nominal Voltage | 3.10V | | | | | |
| Type | High Rate | High Capacity | High Rate | High Capacity | High Rate | High Capacity |
| Nominal Capacity | 1300mAh | 1400mAh | 3100mAh | 3400mAh | 10Ah | 15Ah |
| Energy Density | ≥100Wh/kg | ≥110Wh/kg | ≥110Wh/kg | ≥120Wh/kg | ≥140Wh/kg | ≥150Wh/kg |
| Volumetric Energy Density | ≥240Wh/L | ≥260Wh/L | ≥250Wh/L | ≥270Wh/L | ≥280Wh/L | ≥310Wh/L |
| Dimension | H*D=65.3*18.3mm | H*D=65.3*18.3mm | H*D=71*26.4mm | H*D=71*26.4mm | H*D=140.5*32.5mm | H*D=140.5*32.5mm |
| Inner Resistance | ≤20mΩ | ≤20mΩ | ≤20mΩ | ≤20mΩ | ≤5mΩ | ≤5mΩ |
| Weight | Appx. 30g | Appx. 30g | Appx. 82g | Appx. 82g | Appx. 250g | Appx. 250g |
| Cycle Life | ≥3000 times | ≥2000 times | ≥3000 times | ≥2000 times | ≥3000 times | ≥2000 times |
| Standard Charge Current | 0.5C | | | | | |
| Standard Discharge Current | 0.5C | | | | | |
| Max Con. Discharge Current | 15C | | | | | |
| Pulse Discharge Rate | 20C | | | | | |
| Shape | Cylindrical | | | | | |
| Charge Voltage | 3.95±0.05V | | | | | |
| Discharge Cut-off Voltage | 1.50±0.05V | | | | | |
| Working Voltage Range | 2.0~4.0V | | | | | |
| Cathode Material | Sodium-ion | | | | | |
| Charge Method | CC/CV | | | | | |
| -20℃ Capacity retention | ≥90% | | | | | |
| -40℃ Capacity retention | ≥70% | | | | | |
| Charge Temperature | -10~45℃ | | | | | |
| Discharge Temperature | -40~80℃ | | | | | |
| Storage Temperature | Less than 1 year: -10~25℃; Less than 3 months: -10~40℃ | | | | | |