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| Testing Date | 3-Aug-19 |
| Ambient Temperature | 32 ± 2°C |
| Document No. | KST-MC08S04P-FHE-01 |

LiFePO4 24V 19.8Ah Industrial Battery



Battery Pack Specifications

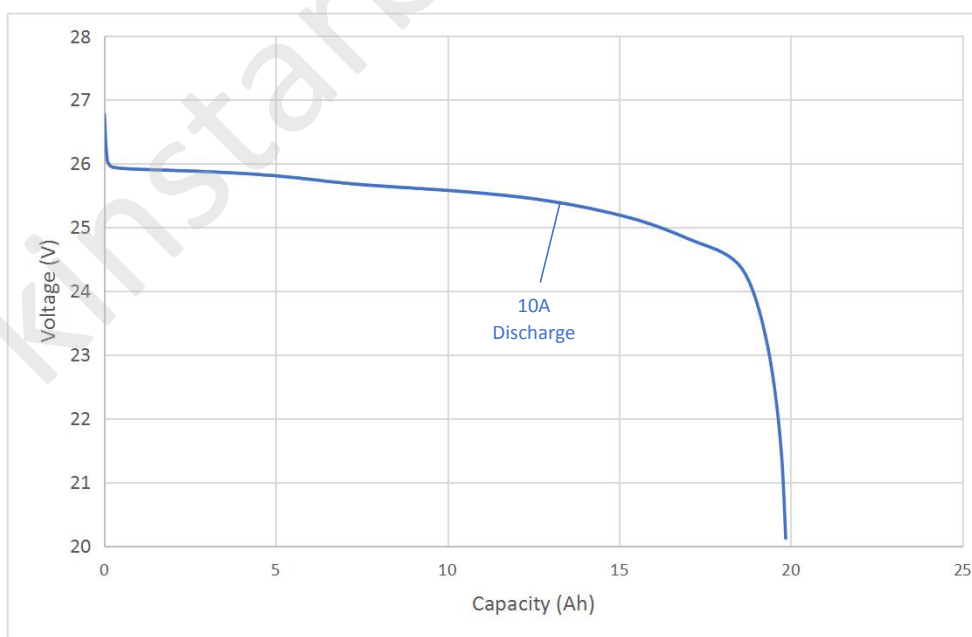
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|-----------------------------------|---|
| Cell Model | KinStar IFR18650HE |
| Configuration | 11P8S |
| Nominal Capacity | 19.8Ah |
| Minimum Capacity | 19Ah |
| Nominal Voltage | 25.6V |
| Nominal Energy Content | 506.9Wh |
| Charge Voltage | 28.8V |
| Standard Charge Current | 4A |
| Max. Charge Current | 8A |
| Max. Continuous Discharge Current | 30A |
| Peak Discharge Current | 60A |
| Discharge Cut-off Voltage | 16V |
| Gross Weight (Approx.) | 4.6KG |
| Dimensions | 95×185×260mm |
| Charge Connector | 50A Anderson |
| Discharge Connector | 50A Anderson |
| Operating Temperature | Charge: 0°C to 45°C Discharge: -20°C to 60°C |

BMS Specifications

| | |
|-----------------------------------|-------------|
| Number Of Cluster | 8S |
| Charge And Discharge Port | Same |
| Max. Allowed Charge Current | 30A |
| Max. Continuous Discharge Current | 30A |
| Overcharge Protection Voltage | 31.2 ± 0.2V |
| Overdischarge Protection Voltage | 16.0 ± 0.5V |
| Overload Protection Current | 60 ± 10A |
| Overheat Protection Temperature | 65°C |
| External Shortcircuit Protection | Available |

| Test | Conditions | Test Result |
|------------------|------------|-------------|
| 10A Discharge To | 20.1V | 19.85Ah |

Typical discharge profiles (10A - 0.5C rate)



Preliminary specifications, performance may vary depending on use conditions and application. KinStar makes no warranty explicit or implied with this test report. Contents subject to change without notice.