

INTRODUCING BESS STACKED HYBRID CONNECTOR

- Hybrid design to integrate more pins of power & signal
- Higher safety: Uses excellent conductivity contact to provide low temperature rise performance



TE Connectivity, a global leader in connectivity and sensing, introduces the new product of Heavy Duty Connectors, the HDC BPSC Stacked Hybrid Connector for BESS Battery Energy Storage application. With its smart hybrid design, it provides a safer, more reliable and more flexible residential BESS power & signal stacked connectivity connection.

The new generation of BPSC hybrid stacked connector uses materials with excellent electrical conductivity and composite terminal technology. It provides outstanding terminal conductive efficiency and excellent lower temperature rise control. This supports the safety and reliability of the system's life cycle.

BENEFITS

- Hybrid design to integrate more pins of power & signal
- Higher safety: Uses excellent conductivity contact to provide low temperature rise performance
- Excellent reliability design to enable greater manufacturing tolerance
 - Contact insertion with ≥ 5 mm overlap
 - Floating design to automatically correct position in the ± 2.4 mm circle

FEATURES

- Hybrid design
 - Power: 70A/ 1000V *4 pins
 - Power: 20A/ 400V *2 pins
 - Signal: 5A/ 25V *12 pins
- Mating cycle: up to 500 cycles
- Floating design: ± 2.4 mm floating

APPLICATIONS

- BESS application

ELECTRICAL

- 70A 1000V
- 20A 400V
- 5A 25V

MECHANICAL

- Floating ± 2.4 mm
- Contact overlap dimension: ≥ 5 mm

MATERIALS

- PET
- Cu
- SUS

STANDARDS

- UL 4128: Outline of investigation for intercell and intertier connectors for use in electrochemical battery system applications
- EN 61984: Connectors - safety requirements and tests
- IEC 60068: Environmental testing

SPECIFICATIONS

- 108-137664
- 501-137664
- 114-137664

CERTIFICATIONS

- UL4128
- TUV
- CE
- Restriction of Hazardous Substances

LEARN MORE

- [BESS stacked hybrid connector landing page](#)
- [BESS stacked hybrid connector flyer](#)
- [BESS stacked hybrid connector partlist](#)
- [BESS stacked hybrid connector images](#)