

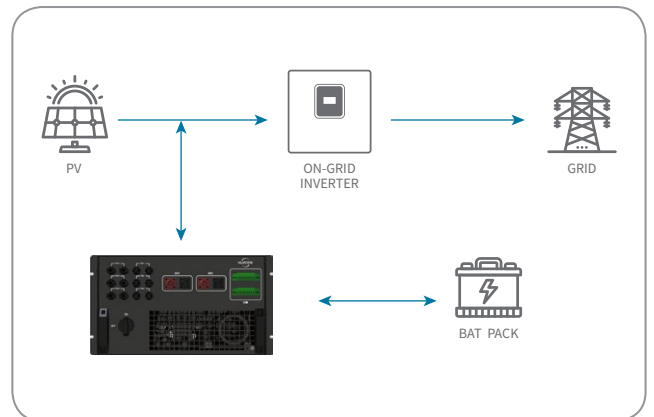


HDC-20/30K-TL-C Commercial DC/DC Converter Module

20kW / 30kW



- ✓ Compatible with different batteries, perfect protection function & strong environmental adaptability
- ✓ Wide DC input voltage range design
- ✓ Two-way energy flow, fast switching between charge and discharge
- ✓ Interleaved parallel, reduce capacitor ripple, improve service life
- ✓ Maximum efficiency up to 99%
- ✓ Intelligent DSP digital control, data processing higher accuracy and faster speed
- ✓ Modular design, supports expansion



Technical Data

HDC-20K-TL-C

HDC-30K-TL-C

PV Input

| | | |
|--------------------------------------|-----------|-------|
| Maximum Input Power | 20 kW | 30 kW |
| Maximum Input Voltage | 900 V | |
| MPPT Voltage Range | 250~900 V | |
| Number Of MPPT / Strings Per Channel | 3/6 | |
| Maximum Input Power Per MPPT | 6.5 kW | 10 kW |
| Maximum Input Current Per MPPT | 25 A | |

Battery Input

| | |
|---------------|---------------------------------------|
| Battery Type | Lithium, Lead-Acid, Lead-Carbon, etc. |
| Voltage Range | 250~650 V |

General Data

| | |
|---------------------------|--|
| Maximum Efficiency | 99% |
| Protection | Reverse Polarity Protection, Overvoltage & Undervoltage Protection, Overcurrent Protection, Short Circuit Protection, Surge Protection |
| Ingress Protection Rating | IP20 |
| Temperature Range | -30~55°C |
| Relative Humidity | 0~95%, Non-condensing |
| Altitude | ≤4000 m (>3000 m Derating) |
| Cooling Method | Fan Cooling |
| Communication | Ethernet, RS485 |
| BMS Communication | RS485, CAN |
| Communication Protocol | Modbus RTU/TCP |
| Weight | 40 kg |
| Dimension (WxDxH) | 483x650x240 mm |

