

## JBL-HYBT-HV-100/150K-3PH

Large capacity all-in-one hybrid inverter for commercial application, supporting up to 1200kW system capacity.

### Features



#### Multiple MPPTs

2MPPTs to increase the possibility of PV access, improve the power generation efficiency of solar.



#### High Battery Voltage Range

600-900V Battery voltage to expand battery configuration flexibility, improve system efficiency.



#### High PV Voltage range

1500V Level PV voltage to reduce the number of PV cables, lower system investment costs.



#### Touchscreen LCD



#### Seamless on/off grid transfer within 10 ms



#### All-in-one hybrid inverter



#### Programmable working mode



#### Support remote control of DG



#### Max. 8 units in parallel for on&off grid operation



### AC(on-grid)

|                      |                         |                         |
|----------------------|-------------------------|-------------------------|
| Apparent power       | 110kVA                  | 165kVA                  |
| Rated power          | 100kW                   | 150kW                   |
| Rated voltage        | 400V                    | 400V                    |
| Rated current        | 144A                    | 217A                    |
| Voltage range        | 360V-440V               | 360V-440V               |
| Rated frequency      | 50/60Hz                 | 50/60Hz                 |
| Frequency range THDI | 45~55/55~65Hz           | 45~55/55~65Hz           |
| PF                   | <3%                     | <3%                     |
| PF                   | 0.8 lagging~0.8 leading | 0.8 lagging~0.8 leading |
| AC connection        | 3/N/PE                  | 3/N/PE                  |
| AC input             | 200kVA                  | 240kVA                  |

### AC(off-grid)

|                     |                         |                         |
|---------------------|-------------------------|-------------------------|
| Apparent power      | 110kVA                  | 165kVA                  |
| Rated power         | 100kW                   | 150kW                   |
| Rated voltage       | 400V                    | 400V                    |
| Rated current       | 144A                    | 217A                    |
| THDU                | ≤2% linear              | ≤2% linear              |
| Rated frequency     | 50/60Hz                 | 50/60Hz                 |
| Overload capability | 110%-10 mins 120%-1 min | 110%-10 mins 120%-1 min |

### DC (Battery and PV)

|                                            |               |               |
|--------------------------------------------|---------------|---------------|
| Max. PV open-circuit voltage               | 1500V DC      | 1500V DC      |
| Max. PV power                              | 150kWp        | 225kWp        |
| PV MPPT voltage range                      | 900V-1300V DC | 900V-1300V DC |
| MPPT number                                | 2             | 2             |
| Max. PV current                            | 2*80A         | 2*100A        |
| Battery voltage range                      | 600-900V      | 600-900V      |
| Battery voltage range at max. charge power | 804V-900V     | 804V-900V     |
| Max. charge power                          | 150kW         | 225kW         |
| Max. discharge power                       | 110kW         | 165kW         |
| Max. charge current                        | 187A          | 280A          |
| Max. discharge current                     | 183A          | 275A          |

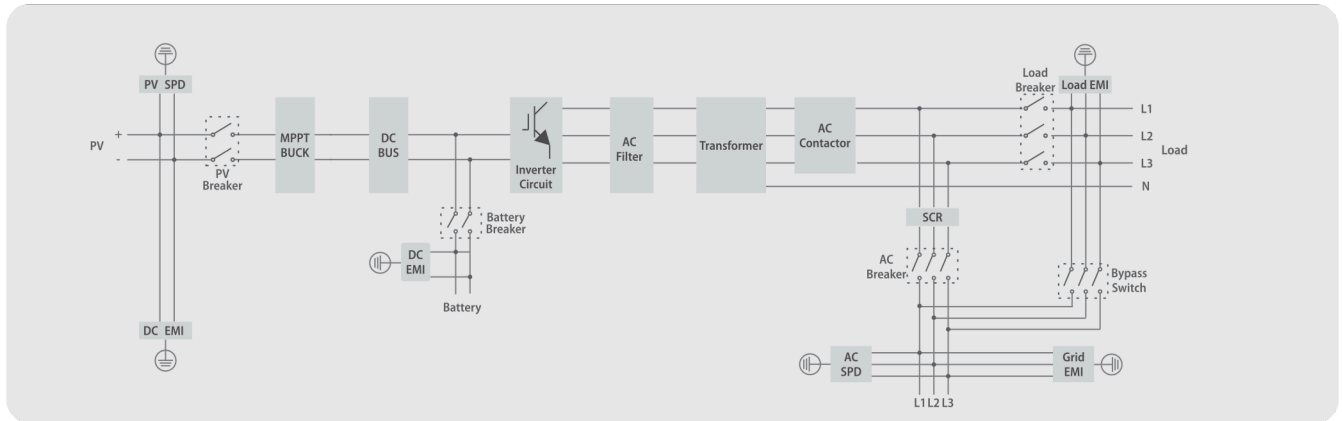
### General Information

|                              |                          |                           |
|------------------------------|--------------------------|---------------------------|
| Protection degree            | IP20                     | IP20                      |
| Noise emission               | <65dB(A)@1m              | <65dB(A)@1m               |
| Operating temperature        | -25 °C~+55 °C            | -25 °C~+55 °C             |
| Cooling method               | Forced-air               | Forced-air                |
| Relative humidity            | 0-95%non-condensing      | 0-95% non-condensing      |
| Max. altitude                | 6000m(derate over 3000m) | 6000m (derate over 3000m) |
| Dimension (W/H/D)            | 1200/1900/800mm          | 1200/1900/800mm           |
| Weight                       | 948kg                    | 1230kg                    |
| Build-in transformer         | Yes                      | Yes                       |
| Lightning protection         | Type II                  | Type II                   |
| Transfer between on/off grid | Automatic≤10ms           | Automatic≤10ms            |
| Standby consumption          | <30W                     | <30W                      |

### Communication

|               |              |              |
|---------------|--------------|--------------|
| Display       | Touch screen | Touch screen |
| Communication | RS485/CAN    | RS485/CAN    |

# Block Diagram



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