

BD8-12kW-RH3

Three Phase Hybrid Inverter



**Efficient
Higher revenue**

- Maximum efficiency: 98.2%
- Input power source priority can be set by users
- Support full power discharge, automatic management of battery charge and discharge



**Intelligent
Simple O&M**

- IP65 Protection: support outdoor installation
- Battery reverse connection protection
- Support RS485/CAN/DRM (WiFi/4G optional): remote monitoring and operation via PC or mobile phones



**Flexible
Abundant configuration**

- Support diesel generator input source
- Compatible with lead-acid and lithium-ion batteries and other battery access
- Export control(Zero export)

	BD8KTR-RH3	BD10KTR-RH3	BD12KTR-RH3
Input (PV)			
Max. PV Input Power	10.4kW	13kW	15.6kW
Max. PV Input Voltage	1000V		
Max. Current per MPPT	12.5A		
MPP Voltage Range	180V ~ 850V		
Number of MPP Trackers	2		
String per MPPT	1		
Output (AC)			
Max. Output Current	12.7A	15.9A	19.1A
Rated Output Power	8.8kVA	11kVA	13.2kVA
Rated Voltage	400V, 3L + N + PE		
Frequency	50Hz / 60Hz		
Power Factor	0.8 lagging~0.8 leading		
THDi	< 3%		
Output (EPS)			
Max. Output Power	8.8kVA	11kVA	13.2kVA
Rated Voltage	400Vac		
Rated Current	12.7A	15.9A	19.1A
Overload Capacity	110%, 30S / 120%, 10S / 150%, 0.02S		
Rated Frequency	50Hz / 60Hz		
Automatic Switching Time	< 20ms		
THDu	< 2%		
Battery			
Battery Voltage Range	125V ~ 600V		
Max. Charging Voltage	600V		
Full Battery Voltage	210V	270V	250V
Max. Charge / Discharge Current	40A	40A	50A
Battery Type	Lithium / Lead-acid		
Communication	CAN / RS485		
Efficiency			
Max. DC Efficiency	97.90%	98.20%	98.20%
European Efficiency	97.20%	97.50%	97.50%
MPPT Efficiency	99.50%	99.50%	99.50%
Battery Charge / Discharge Efficiency	96.60%	96.70%	96.80%
Communication			
Display	LCD		
Communication	Standard: RS485 / CAN / DRM Optional: WiFi / 4G		
Standard Compliance			
Certificates	CE, TÜV		
General data			
Dimensions (W x H x D)	530 × 600 × 200 mm		
Weight	29kg		
Operation Temperature	-25°C ~ +60°C		
Cooling Method	Natural Cooling		
Protection Degree	IP65		
Noise Emission	< 35dB		
Max. Operating Altitude	2000m		
Relative Humidity	0~95% (non-condensing)		
Topology	Transformerless		
Standby Power Consumption	< 3W		