

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	8kVA	10kVA	12kVA
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	