



BD 8-12kW-RH3

Three Phase Hybrid Inverter



Lead-acid/lithium
battery



Battery reverse
protection



IP65



Wide input
voltage range



Zero export
function
(integrated)



Natural cooling,
low noise



Charge/discharge
protection



Smart energy
management

	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		12A	
MPP Voltage Range		180V ~ 850V	
Number of MPP Trackers / String per MPPT		2 / 1	
Output (AC)			
Max. Output Current	12.7A	15.9A	19.1A
Rated Output Power	8.8kVA	11kVA	13.2kVA
Rated Voltage		400V, 3W + 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 Swiech Time		< 20ms	
THDU		< 2%	
Battery			
Battery Voltage Range		125V ~ 600V	
Max. Charging Voltage		600V	
Full Battery Voltage	160V	200V	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	