



BD 8-12KTR-RH3

Three Phase Hybrid Solar Inverter

8kW / 10kW / 12kW



Lithium/Lead-acid battery



Battery reverse protection



Smart energy management



Zero export (Smart meter + CT integrated)



Charge/discharge protection



Low noise natural cooling

BD 8-12KTR-RH3 Three Phase Hybrid Solar Inverter

Technical Data	BD 8KTR-RH3	BD 10KTR-RH3	BD 12KTR-RH3
Input (PV)			
Max. Input Power:	10.4 kW	13 kW	15.6 kW
Max. Input Voltage:	1000 V		
MPP Voltage Range:	180~850 V		
Number of MPP Trackers / Strings per MPPT:	2 / 1		
Max. Current per MPPT:	12.5 A		
Output (AC)			
Max. Output Current:	12.7 A	15.9 A	19.1 A
Rated Output Power:	8.8 kVA	11 kVA	13.2 kVA
Rated Output Voltage:	400 V, 3W / N / PE		
Rated Frequency:	50/60 Hz		
Power Factor:	0.8 lagging ~ 0.8 leading		
THDi:	<3%		
Output (EPS)			
Rated Output Power:	8.8 kVA	11 kVA	13.2 kVA
Rated Output Voltage:	400 Vac		
Rated Output Current:	12.7 A	15.9 A	19.1 A
Rated Frequency:	50/60 Hz		
Automatic Switch Time:	<20 ms		
Overload Capability:	110%, 30s / 120%, 10s / 150%, 0.02s		
THDU:	<2%		
Battery			
Battery Type:	Lithium / Lead-acid		
Battery Voltage Range:	125~600 V		
Full Battery Voltage:	160 V	200 V	250 V
Max. Charge/Discharge Current:	40 A	40 A	50 A
Max. DC Efficiency:	97.9%	98.2%	98.2%
European Efficiency:	97.2%	97.5%	97.5%
MPPT Efficiency:	99.5%	99.5%	99.5%
Battery Charge/Discharge Efficiency:	96.6%	96.7%	96.8%
Display:	LCD		
Communication:	Standard: RS485 / CAN / DRM. Optional: WiFi / 4G		
Operation Temperature:	-25~60°C		
Cooling Method:	Natural Cooling		
Ingress Protection Rating:	IP65		
Noise Emission:	<35 dB		
Relative Humidity:	0~95% (Non-condensing)		
Max. Operating Altitude:	2000 m		
Topology:	Transformerless		
Standby Power Comsuption:	<3 W		
Certifications:	CE, TÜV		
Warranty:	5 Years		
Dimensions (WxHxD):	530x600x200 mm		
Weight:	29 kg		