



BD 7.6-11.4kW-RH1

Single Phase Hybrid Inverter (96V)



Lead-acid/
lithium
battery



Battery reverse
protection



IP65



Smart energy
management



Zero export
function
(integrated)



Natural cooling,
low noise



Charge/discharge
protection



	BD7K6TL-RH1	BD9KTL-RH1	BD10KTL-RH1	BD11K4TL-RH1
Input (DC)				
Max. Input Power	10kW	11.7kW	13kW	14.82kW
Max. Input Voltage	550V			
Starting Voltage	120V			
MPP Voltage Range	125V~ 550V			
Rated MPPT Voltage	360V			
Number of MPP Trackers / String per MPPT	4 / 1			
Max. Current per MPPT	12A			
Output (AC)				
Max. Output Current	33A	39.2A	43.5A	49.5A
Rated Power	7.6kVA	9kVA	10kVA	11.4kVA
Rated Voltage	230V, L + N + PE			
Operating Voltage Range	176V ~ 270V			
Frequency	50Hz / 60Hz			
Power factor	1 (0.99 leading~0.99 lagging)			
THDi	<2%			
Output (EPS)				
Rated Power	7.6kVA	9kVA	10kVA	11.4kVA
Rated Voltage	230Vac			
Rated Current	33A	39.2A	43.5A	49.5A
Rated Frequency	50Hz / 60Hz			
Automatic Swiech Time	<20ms			
Overload Capability	125%, 60s / 150%, 1s			
THDU	<2%			
Battery				
Battery Voltage Range	85V~ 400V			
Charge / Discharge Current	80A / 80A			
Battery Type	Lithium / Lead-acid			
Communication	RS485 / CAN			
Efficiency				
Max. DC Efficiency	98.20%			
European Efficiency	97.20%			
MPPT Efficiency	99%			
Battery Charge / Discharge Efficiency	96%			
Communication				
Display	LCD			
Communication	standard: RS485 / CAN / DRM optional: Wifi			
Standard Compliance				
Certificates	CE, TÜV			
General Data				
Dimensions (W x H x D)	530 x 565 x 220 mm			
Weight	30kg			
Operation Temperature	-25 °C ~ +60°C			
Cooling Method	Natural Cooling			
Protection Degree	IP65			
Noise Emission	<35dB			
Max. Operating Altitude	5000m (derating above 2000m)			
Relative Humidity	0 ~ 95% (non-condensing)			
Topology	Transformerless			
Standby Power Consumption	< 3W			



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