

BD 3-6kW-RL1-A

All In One (Hybrid Inverter + Battery)



Support
battery
customization



User Friendly
HMI



Easy to install



High DC/AC
ratio



Battery
capacity
from 2.4
to 14.4 kW·h



	BD3KTL-RL1-A	BD3K6TL-RL1-A	BD4KTL-RL1-A	BD4K6TL-RL1-A	BD5KTL-RL1-A	BD6KTL-RL1-A
Input (PV)						
Max. PV Input Power	4.6kW	4.6kW	6kW	6kW	7kW	7kW
Max. PV Input Voltage	550V					
MPP Voltage Range	125V ~ 500V					
Max. PV Input Current	14A					
Number of MPP Trackers / String per MPPT	2 / 1					
Output (AC)						
Max. Output Current	13A	16A	17.4A	20A	21.7A	26A
Rated Power	3kW	3.6kW	4kW	4.6kW	5kW	5.6kW
Rated Voltage	230V, L + N + PE					
Operating Voltage Range	180V ~ 270V					
Rated Frequency	50Hz / 60Hz					
Power Factor	1 (0.99 lagging ~ 0.99 leading)					
Output (EPS)						
Rated Power	3kVA	3.6kVA	4kVA	4.6kVA	5kVA	5.6kVA
Rated Voltage	230Vac					
Rated Current	13A	16A	17.4A	20A	21.7A	26A
Rated Frequency	50Hz / 60Hz					
Overload Capability	110%, 60s / 120%, 30s / 150%, 10s					
THDU	<2%					
Battery						
Charge / Discharge Current	95A / 62.5A	95A / 76.6A	95A / 83.3A	95A / 95.8A	95A / 110A	
Battery Type	Lithium Iron Phosphate					
Battery Module	Customizable					
Battery Capacity	2.4kWh ~ 14.4kWh					
Max. Parallel Batteries	6					
Life Span	> 10 years(25°C /77F)					
Efficiency						
Max. DC Efficiency	97.60%					
MPPT Efficiency	99.90%					
Communication						
Display	LCD					
Communication	standard: RS485 / CAN / DRM optional: Wifi / Lan					
Standard Compliance						
Safety	IEC 62109-1&-2, IEC 62477, CE-EMC					
General Data						
Dimensions (W x H x D)	580 x 1800 x 350 mm					
Weight	82kg					
Operation Temperature	-25° C ~ +60° C					
Cooling Method	Natural Cooling					
Protection Degree	IP21					
Noise Emission	< 50dB					
Max. Operating Altitude	5000m (derating above 2000m)					
Relative Humidity	0 ~ 95% (non-condensing)					
Topology	Transformerless					



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