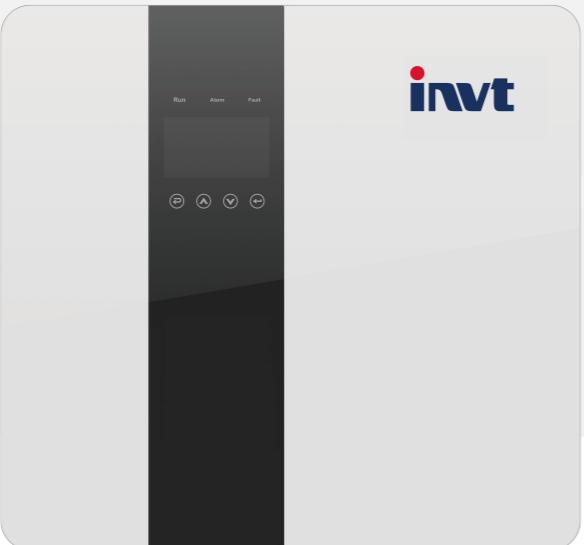


BD3-6kW-RL1

Single Phase Hybrid Inverter



 Efficient
Higher revenue

- Maximum efficiency: 97.6%
- Input power source priority can be set by users

 Intelligent
Simple O&M

- IP65 Protection Degree: 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 automatic battery switch
- Support diesel generator as input source
- Parallel available, intelligent BMS management
- Export control (Zero export)
- Compatible with lead-acid and lithium-ion batteries

	BD3KTL-RL1	BD3K6TL-RL1	BD4KTL-RL1	BD4K6TL-RL1	BD5KTL-RL1	BD6KTL-RL1
Input (PV)						
Max. PV Input Power	4.6kW		6kW		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	3kVA	3.6kVA	4kVA	4.6kVA	5kVA	6kVA
Rated Voltage		230V, L + N + PE				
Operating Voltage Range		176V ~ 270V				
Frequency		50Hz / 60Hz				
Power Factor		0.8 lagging-0.8 leading				
THDi		<3%				
Output (EPS)						
Rated Power	3kVA	3.6kVA	4kVA	4.6kVA	5kVA	6kVA
Rated Voltage		230Vac				
Rated Current	13A	16A	17.4A	20A	21.7A	26A
Rated Frequency		50Hz / 60Hz				
Automatic Switching Time		<20ms				
Overload Capability		110%, 30s / 120%, 10s / 150%, 0.02s				
THDu		<2%				
Battery						
Battery Voltage Range		40V ~ 58V				
Max. Charging Voltage		58V				
Charge / Discharge Current	95A / 62.2A	95A/ 75A	95A / 83.3A	95A / 95.8A	95A / 104.2A	95 A / 110A
Battery Type		Lithium / Lead-acid				
Communication		CAN / RS485				
Efficiency						
Max. DC Efficiency		97.60%				
European Efficiency		97.0%				
MPPT Efficiency		99.90%				
Battery Charge / Discharge Efficiency		95.0%				
Communication						
Display		LCD				
Communication		standard: RS485 / CAN / DRM optional: WIFI / 4G				
Standard Compliance						
Certificates		CE, TUV, SAA, NRS				
General Data						
Dimensions (W x H x D)		550 x 515 x 200 mm				
Weight		25kg				
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				

