

INVT Inverters - Data Sheet

	BD5KTL-RL1-1	BD8KTL-RL1-1
		
Input (PV)		
Max. PV Input Power	7kW	12kW
Max. PV Input Voltage	550V	
MPP Voltage Range	125 ~ 500V	
Max. PV Input Current	14A	12A
No of MPP Trackers/ String per MPPT	2/1	4/1
Output (AC)		
Max Output Current	21.7A	38.3A
Rated Power	5kVA	8kVA
Rated Voltage	230V, L + N + PE	
Operating voltage Range	176 ~270V	
Frequency	50Hz / 60Hz	
Power Factor	0.8 Lagging ~ 0.8 Leading	
THDi	< 3%	
Output (EPS)		
Rated Power	5kVA	8kVA
Rated Voltage	230Vac	
Rated Current	21.7A	38.3A
Rated Frequency	50Hz / 60Hz	
Automatic Switching time	< 20ms	
Overload Capability	110%, 30s / 120%, 10s / 150%, 0.02s	125%, 60s/ 150% 1s
THDu	< 2%	
Battery		
Battery Voltage Range	40 ~ 58V	
Max. Charging Voltage	58V	
Charge / Discharge Current	95A/ 104.2A	190 A/ 190A
Battery Type	Lithium / Lead acid	
Communication	CAN / RS485	
Efficiency		
Max DC Efficiency	97.60%	98.2
European Efficiency	97%	97%
MPPT Efficiency	99.90%	99.90%
Battery charge / discharge efficiency	95.00%	96.00%
Communication		
Display	LCD	
Communication	Standard: RS485 / CAN; Optional: Wifi / 4G	
Standard Compliance		
Certificates	CE, TUV, NRS	
General Data		
Dimensions (W x H x D)	550 x 515 x 200 mm	460 x 225 x 760 mm
Weight	25kg	41kg
Operating temperature	Minus 25°C ~ +60 °C	
Cooling method	Natural Cooling	
Protection Degree	IP65	
Noise Emmission	< 30dB	< 38dB
Max. Operating Altitude	2000M	
Relative Humidity	0 ~ 95% (Non-Condensing)	
Topology	Transformerless	
Standby Power Consumption	< 3W	