BD5-6kW-LL1

Single Phase Hybrid Inverter



Efficient
Higher revenue

- Stronger UPS
- Maximumefficiency:97.9%
- Advanced Parallel, up to 60kW

Intelligent
Simple O&M

- IP65 Protection Degree: support outdoor installation
- Support RS485/C AN/WiFi: remote monitoring and operat ion via PC or mobile phones

Flexible
Abundantconfiguration

- Intelligent working modes
- Easy to use with battery
- Light, fast & easy installation
- Plug & Play, seamless switching under 10ms

	BD5KTL-LL1	BD6KTL-LL1
Input (PV)		
Max. PV Input Power	8kW	
Max. PV Input Voltage	550V	
Start-up Voltage	140V	
MPPT Voltage Range	120V ~ 500V	
Max. PV Input Current	13.5A	
Max. Short Circuit Current per MPPT	15A	
Number of MPP Trackers / String per MPPT	2 / 1	
Output (AC)		
Max. Output Current	25A	26A
Rated Output Power	5kW	6kW
Max. Output Power	5kVA	6kVA
Rated Voltage	230V, L + N + PE	
Operating Voltage Range	180V ~ 270V	
Frequency	50Hz / 60Hz	
Power Factor	0.8 lagging~0.8 leading	
THDi	<3%	
Output(EPS)		
Max. Output Power Without Solar	4kW	
Max. Output Power With Solar	5kW	6kW
Rated Voltage	230Vac	
Rated Current	17.4A	
Rated Frequency	50Hz / 60Hz	
Automatic Switch Time	10ms	
Peak Power Without Solar	4500W, 30s	
THDV	<5%	
Battery		
Battery Voltage Range	40V ~ 60V	
Nominal Battery Voltage	48V	
Max. Charge Voltage	59V	
Charge / Discharge Current	80A / 80A	
Battery Type	Lithium / Lead-acid	
Efficiency		
Max. Efficiency	97.90%	
European Efficiency	97.50%	
Battery Charge / Discharge Efficiency	94.50%	
Communication		
Display	LCD / LED	
Communication	RS485 / CAN / WiFi	
Standard Compliance		
Certificates	CEI0-21, EN50549, IEC62109-1/2, IEC61000	
General Data		
Dimensions (W x H x D)	455 x 476 x 181 mm	
Weight	20kg	
Operation Temperature	-25℃ ~ +60℃	
Cooling Method	Natural	
Protection Degree	IP65	
Noise Emission	<25dB	
Max. Operating Altitude	4000m	
Relative Humidity	0 ~ 100%	
Topology	Transformerless	
Standby Power Comsuption	< 5W	