

# BD5-6kW-LL1

## Single Phase Hybrid Inverter



**Efficient  
Higher revenue**

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



**Intelligent  
Simple O&M**

- IP65 Protection Degree: support outdoor installation
- Support RS485/CAN/WiFi: remote monitoring and operation via PC or mobile phones



**Flexible  
Abundant configuration**

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



	BD5KTL-LL1	BD6KTL-LL1
<b>Input (PV)</b>		
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
<b>Output (AC)</b>		
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%
<b>Output (EPS)</b>		
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%
<b>Battery</b>		
Battery Voltage Range		40V ~ 60V
Nominal Battery Voltage		48V
Max. Charge Voltage		59V
Charge / Discharge Current		80A / 80A
Battery Type		Lithium / Lead-acid
<b>Efficiency</b>		
Max. Efficiency		97.90%
European Efficiency		97.50%
Battery Charge / Discharge Efficiency		94.50%
<b>Communication</b>		
Display		LCD / LED
Communication		RS485 / CAN / WiFi
<b>Standard Compliance</b>		
Certificates		CEI0-21, EN50549, IEC62109-1/2, IEC61000
<b>General Data</b>		
Dimensions (W x H x D)		455 x 476 x 181 mm
Weight		20kg
Operation Temperature		-25°C ~ +60°C
Cooling Method		Natural
Protection Degree		IP65
Noise Emission		<25dB
Max. Operating Altitude		4000m
Relative Humidity		0 ~ 100%
Topology		Transformerless
Standby Power Consumption		< 5W