

## **Energy Storage Inverter**

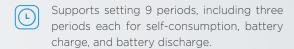
JBL-HYB-6K-1PL

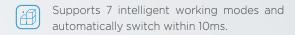






IP66 rated enclosure, designed for both indoor and outdoor deployment in harsh environments.







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Input DC (PV side)	401.11
Max. PV access power	12kW
Max. PV input power	9.6kW
Max. PV input voltage	550V
Nominal input voltage	360V
MPPT working voltage range	80V-500V
Number of independent MPPT/strings per M	· · · · · · · · · · · · · · · · · · ·
MPPT max. current	20A/20A
Start-up voltage	100V
Output/Input AC (Grid side)	
Nominal apparent power	6kW
Max. apparent power	6.6kVA
Nominal voltage	220V/230V
Nominal frequency	50Hz/60Hz
Rated current	27.3A/26A
Max. current	30A
Power factor	-0.8~+0.8 (adjustable)
THDi	<3%(Nominal Output)
Grid system pattern	L+N+PE
Max. AC current from utility grid	50A
Output AC (Back-up)	
Nominal output power	6kW
Max. output apparent power	6.6kVA
Nominal output voltage	220V/230V
Nominal ouput frequency	50Hz/60Hz
Output THDV	<3%
Automatic switch time	<10ms
Battery	
Battery type	Li-ion/Lead-acid
Battery voltage range	40V-60V
Max. charging/discharging current	100A
Charging strategy for Li-ion battery	Self-adaption to BMS
	Sell adaption to BMS
Efficiency	
Max. MPPT efficiency	99.9%
Europe efficiency	97.5%
Max. battery to load efficiency	94%
Protection	
Anti islanding protection	Yes
Insulation impedance protection	Yes
RCD detection	Yes
PV reverse polarity protection	Yes
Output over voltage protection	Yes
Output over current protection	Yes
General Data	
Dimensions(L/W/H)in mm	375/250/363
Weight	20kg
Operation temperature range	-25°C~60°C
Heat dissipation mode	Natural
P Class	IP 66
Maximum altitude	4000m
Self-Consumption night	<3W
Features	
LCD display	Yes
Communication interface	WiFi/4G/USB/CAN/RS485
	N 62109/EN 62477/EN IEC 61000/CEI 0-21/NTS-631/RD647/UNE 217001/ UNE 217002/VDE 4105/IEC 61727/IEC 62116/IEC 61683/EN 50549/G98/ G99/NRS 097/UTE C 15/VDE V 0126

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**Technical Datasheet** 

