



JBL-PCS-100/250/500/630/1000

Bidirectional battery inverter from 100kW to 1000kW, can be used alone or with solar charge controllers and other accessories for different application scenarios.

Features

-  Programmable working mode
-  Flexible configuration
-  Touchscreen LCD
-  Support remote control of DG
-  Max. 8 units in parallel for on&off grid operation



	JBL-PCS-100	JBL-PCS-250	JBL-PCS-500	JBL-PCS-630	JBL-PCS-1000
AC(on-grid)					
Apparent power	110kVA	275kVA	550kVA	693kVA	1000kVA
Rated power	100kW	250kW	500kW	630kW	1000kW
Rated voltage	400V	400V	400V	400V	400V
Rated current	144A	361A	722A	909A	1443A
Voltage range	360V-440V	360V-440V	360V-440V	360V-440V	360V-440V
Rated frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Frequency range			45~55/55~65Hz		
THDI			<3%		
PF			0.8 lagging~0.8 leading		
AC connection	3/N/PE	3/N/PE	3/PE	3/PE	3/PE
Max. rectified power	100kW	250kW	500kW	630kW	750kW

AC(off-grid)					
Apparent power	110kVA	275kVA	550kVA	693kVA	1000kVA
Rated power	100kW	250kW	500kW	630kW	1000kW
Rated voltage	400V	400V	400V	400V	400V
Rated current	144A	361A	722A	909A	1443A
THDU			≤2% linear		
Rated frequency			50/60Hz		
Overload capability			110%-10 mins 120%-1 min		

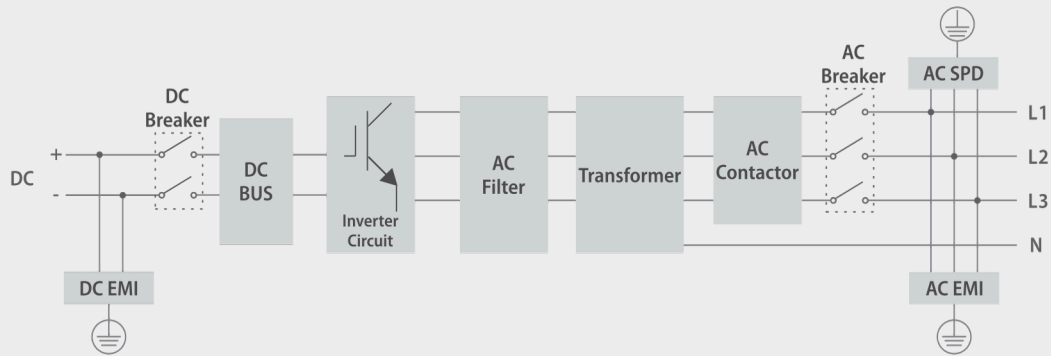
DC (Battery)					
Rated power	100kW	250kW	500kW	630kW	1000kW
Current regulation	±1%	±1%	±1%	±1%	±1%
Voltage regulation	±1%	±1%	±1%	±1%	±1%
Voltage ripple	<3%	<3%	<3%	<3%	<3%
Current ripple	<2%	<2%	<2%	<2%	<2%
Voltage range	500V-820V	500V-820V	600V-900V	600V-900V	650V-900V
Max. charge/discharge current	220A	550A	917A	1155A	1154A/1600A

General Information					
Max. efficiency	97.10%	97.30%	98.50%	98.50%	99.0%
Dimension(W/H/D)mm	1100/1890/850	1600/2080/850	1200/1900/800	1200/1900/800	1510/1900/850
Weight	820kg	1465kg	870kg	900kg	1500kg
Build-in transformer	Yes	Yes	No	No	No
Lightning protection	Type II	Type II	Type II	Type II	Type II
Protection degree			IP20		
Noise emission			<75dB(A)@1m		
Operating temperature			-25°C~+55°C		
Cooling method			Forced-air		
Relative humidity			0-95% non-condensing		
Max. altitude			6000m(derate above 3000m)		
Transfer between on/off grid			Manual(default), Automatic(optional)≤10ms		
Grid support	L/HVRT, FRT, active & reactive power control and power ramp rate control. Volt-var, Volt-watt. Frequency-watt				

Communication					
Display			Touch screen		
Communication			RS485/CAN		

Certificate					
JBL-PCS-100/250/500/630	CE , MEA , PEA , EN 61000-6-2:2019 , EN 61000-6-4:2019 , EN62109-1:2010 , EN62109-2:2011, NRS 097-2-1:2017, VDE 0126, UTE C-15-712, EN 50549-1:2019, AS/NZS 4777.2:2020, AS IEC 62477-1:2016, NC RfG, G99, DEWA Annex D.3:2016, CEI 0-16:2022, EN 62920:2017+A1:2021				
JBL-PCS-1000	EN 61000-6-4:2019, EN 55011:2016+A2:2021, EN 61000-6-2:2019, IEC 61000, EN 62920:2017/A1:2021, CISPR 11:2015/A1:2016				

Block Diagram



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