

BESS PCU Specification

The multifunctional PCS with advanced DSP control, the system ensures optimized performance, high reliability and smooth transition enables seamless DC-AC and AC-DC conversion. It charges batteries from AC while feeds power to the load.

- Seamless switching (<4ms)
- RS323, USB, RS485, and Ethernet communication support(SNMP)
- 100% unbalanced load handling
- Continuous 105% rated output power
- Modular architecture for scalability and maintenance
- 7 Inches LCD Panel for monitoring



Model		BPCS500L
		Parameter
AC Input parameters	Input line	3W+N+PE
	Rated power	500KW
	Rated voltage	380V/400/415V AC
	Rated Current	758A
	Voltage range	-25%~+20%
	Rated frequency	50Hz/60Hz
	Frequency range	40~70Hz
	Power factor	0.99
	Current harmonics	< 3%
Battery Parameters (DC)	Voltage range	512V DC (384V~512V DC configurable)
	Max charging current	100 Amps
AC Output parameters	Output line	3W+N
	Rated power	500KW
	Rated voltage	380V/400/415V AC
	Rated frequency	50Hz/60Hz
	Voltage accuracy	±1%
	Frequency accuracy	±0.1Hz
	Output voltage harmonics	3% (linear full load)
	Unbalanced load capacity	100%
	Overload capacity	≤105 long-term >105~≤110 60 minutes >110~≤125 10minutes >125~≤150 1minutes
Environment	Working temperature	-5℃~50℃(>50℃derating)
	Storage temperature	-25℃~60℃
	Relative humidity	0%RH~95%RH, No condensation
	Working altitude	1500m;1500m~5000m Derating
	Noise	<70dB
Other	Communication	RS232/USB/RS485/SNMP
	Protection	IP20
	Cooling	Forced air cooling, intelligent fan regulation
	Maximum efficiency	97%
	Dimension (WxDxH)	1200x1000x2000
	Weight	700kg

System application



Industrial



Residential



Commercial



Transport

Best Power Equipments India Pvt. Ltd.

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