

# JSKN-B Solar Power Control System



JSKN-500B(LED)



JSKN-500B(LCD)

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## > TECHNICAL PARAMETER

SPECIFICATION	MODEL	JSKN-500B	JSKN-1000B	JSKN-2000B	JSKN-3000B	JSKN-5000B
Input Frequency Range(Hz)		Same as input frequency				
Input Current(A)		2.7A	5.5A	10.9A	16.36A	27.3A
Charge Current(A)		10A (20A optional)				
Transfer Time(ms)		<=10 ms				
Output voltage (VAC)		Same as input voltage				
<b>Battery</b>						
Battery built inside DC (V)		12V	12V/24V	24V/48V	48V	
Battery type		Maintenance free Lead acid battery				
over charge protected voltage(VDC)		14.4±0.2V/28.8±0.2V	28.8±0.2V/57.6±0.2V		57.6±0.2V	
over charge back voltage(VDC)		13.6±0.2V/27.2±0.2V	27.2±0.2V/54.4±0.2V		54.4±0.2V	
over discharge protected voltage(VDC)		10.8±0.2V/21.6±0.2V	21.6±0.2V/43.2±0.2V		43.2±0.2V	
Low Battery Alarm(VDC)		11.0±0.2V/22.0±0.2V	22.0±0.2V/44.0±0.2V		44.0±0.2V	
Low Battery Comeback(VDC)		13.2±0.2V/26.4±0.2V	26.4±0.2V/52.8±0.2V		52.8±0.2V	
High Battery Alarm(VDC)		14.4±0.2V/28.8±0.2V	28.8±0.2V/57.6±0.2V		57.6±0.2V	
High Battery Back(VDC)		13.6±0.2V/27.2±0.2V	27.2±0.2V/54.4±0.2V		54.4±0.2V	
High Battery Shut-down(VDC)		14.4±0.2V/28.8±0.2V	28.8±0.2V/57.6±0.2V		57.6±0.2V	
<b>OUTPUT (in battery mode)</b>						
Output Power(W)		300	600	1200	1800	3000
Output Voltage(VAC)		AC 220V±5% (in battery mode)				
Output frequency(HZ)		50HZ±1% (in battery mode)				
Output Power factor		0.6				
output wave form		Pure sine wave				
overload & shortage protection		yes (Overload 110% · lasts 1 minutes after power shutdown)				
Output overload capacity		over load 150%, 1s later shutdown				
by pass transfer time(ms)		≤10ms				
Inverter Efficiency		>82%				
Output Voltage Dynamic Response		≤5%				
Transient Response Recovery Time		≤60mSec. (90% when Stable status)				
<b>Solar Charge Features</b>						
Solar Input Voltage Range(VDC)		25V/50VDC Max	50VDC Max.	100VDC Max.		
Charge Current(A)		10A/20A/40A/60A/80A (optional, controller price will be extra added)				
Fast Charge Voltage(VDC)		14.2±0.2V/28.4±0.2V	28.4±0.2V/56.8±0.4V		56.8±0.2V	
Float Charge Voltage(VDC)		13.8±0.2V/27.6±0.2V	27.6±0.2V/55.2±0.4V		55.2±0.2V	
Overcharge Voltage Protection(VDC)		14.4±0.2V/28.8±0.2V	14.4±0.2V/28.8±0.2V		57.6±0.2V	
Overcharge Voltage Comeback(VDC)		13.6±0.2V/27.2±0.2V	27.2±0.2V/54.4±0.2V		54.4±0.2V	
<b>PROTECTION</b>						
Protection		overload/ overvoltage/ low battery/ low voltageInput low/ high voltage/ short current protection				
<b>AMBIENT</b>						
Noise(dB)		<55dB(1meter)				
working Temperature		-20℃~50℃				
Humidity		0~95% ( no condensation)				
Sea Level(m)		≤1500				