



PV Grid-Connected Inverter

☞ 1.5K to 50K3

With optimized structure and outlook design, JSI inverters suit for small and medium PV systems. There are transformer type and without transformer type inverters to meet and satisfy the needs of different customers.



PV Grid-Connected Inverter

☞ 100K3 to 500K3

With the growing scale of PV power plants, the capacities of PV grid-connected inverters keep growing with the same pace. Jalpower has working experience in research, development, production and sales of PV grid-connected inverters and it has launched a series of power plant inverters specially-made for medium & large scale of PV power plants which rated at 100kW, 250kW, 500kW and 1MW. Jalpower have transformer and without transformer type to meeting different needs from different customers and helping them to simply system design.

☛ Grid-Connected Type

no	JAL	Capacity	Max DC voltage	Mpp Voltage Range	Max DC power	Max Input Current	download
1	JSI-G1.5K	1.5K	450Vdc	450Vdc	1700Wp	1700Wp	Brochure Manual
2	JSI-G2.5K	2.5K	450Vdc	450Vdc	2800Wp	2800Wp	Brochure Manual
3	JSI-G3KTL	3K	550Vdc	550Vdc	3300Wp	3300Wp	Brochure
4	JSI-G4KTL	4K	550Vdc	550Vdc	4400Wp	4400Wp	Brochure
5	JSI-G5KTL	5K	550Vdc	550Vdc	5500Wp	5500Wp	Brochure
6	JSI-G10K-TL	10K	1000Vdc	1000Vdc	10.4KWp	10.4KWp	Brochure Manual
7	JSI-G12K-TL	12K	800Vdc	800Vdc	12.5KWp	12.5KWp	Brochure Manual
8	JSI-G15K-TL	15K	800Vdc	800Vdc	15.6KWp	15.6KWp	Brochure Manual
9	JSI-G30K3	30K- 3phase	450Vdc	450Vdc	33KWp	33KWp	Brochure Manual
10	JSI-G50K3	50K- 3phase	880Vdc	880Vdc	55KWp	55KWp	Brochure Manual
11	JSI-G100K3	100K- 3phase	880Vdc	880Vdc	110KWp	110KWp	Brochure Manual
12	JSI-G250K3	250K- 3phase	880Vdc	880Vdc	275KWp	275KWp	Brochure Manual
13	JSI-G500K3	500K- 3phase	880Vdc	880Vdc	550KWp	550KWp	Brochure



Rear Panel (NEMA)



Rear Panel (IEC)



Feature

- Convertible Pure Sine Wave PV Inverter
- Compact 2U design
- User friendly LED panel display
- Rack Mount or Tower convertible
- Advanced Microprocessor control
- Line Interactive design provides high reliability and efficiency
- Overload protection and alarm
- DC start (Cold start) function
- Intelligent battery management
- Saving and battery over discharge protection
- Fax / Modem surge suppression ports
- RS232 communication (cable included)
- Inverter efficiency >80%

*** Stand Alone Type

	Model Name	DCJSI-S1K	JSI-S1.4K	JSI-S2K	JSI-S3K	JSI-S5K
Overview	Capacity(VA/Watt)	1100VA/715W	1500VA/975W	2000VA/1300W	3000VA/195W	5000VA/3250W
	Surge Protection Only(VA)	1100VA	1500VA	2000VA	3000VA	5000VA
	Power Factor	0.65				
	Outlook	Tower/Rack				
	Design Type	Line Interactive				
	Waveform	Sine wave				
	AVR Function	Boost, Buck				
DC Input	Battery Voltage	24Vdc		48Vdc		96Vdc
	Battery Input Range	20-27.6		40-55.2		80-110
	Battery Low Alarm	22		44		88
	Battery Shut Alarm	20		40		80
	DC Input Max Current	40A	60A	40A	60A	50A
AC Input	VP Nominal Voltage	115 or 230Vac				
	VP Voltage Range	86-144V/165-275V				
	VP Frequency Range	60Hz-->115V/50Hz-->230V±6Hz				
	VP Power Line Surge(115V/230V)	1482/476 Joules				
	VP Socket Type	Power Cord+C.B-->115V		Inlet Socket+C.B-->230V		
Output	Charger Current	25				
	O/P Nominal Voltage	115/230Vac				
	O/P Voltage Range(AC Mode)	110-127V/200-253V(+10-13%)				
	O/P Voltage Range(Batt. Mode)	111-118V/223-236.9V(±3%)				
	O/P Frequency Stability	50/60Hz +/- 0.5%				
	O/P Socket Q'ty(Backup+Surge)	(NEMA/IEC)*6		(NEM/IEC)*4		
Overload	Transfer Time	< 4ms(Typical)				
	Overload Protection(AC Mode)	>110 Buzzer Alarm				
DC Input	Overload Protection(Batt Mode)	110-140% > 20Sec S/d. > 140% > Immed UPS Off.				
	Battery Voltage	24Vdc	24Vdc	48Vdc	48Vdc	96Vdc
	Battery Input Range	20-27.6	20-27.6	40-55.2	40-55.2	80-110
	Battery Low Alarm	22	22	44	44	88
	Battery Shut Alarm	20	20	40	40	80
	DC Input Max Current	40A	60A	40A	60A	50A
Data Line	TEL/FAX/Modem/DSL/Network Protection	RJ11(1 in/1out)	RJ45(1 in/1 out)	RJ45(1 in/1 out)		
	Data Line Surge Energy Joules	108 Joules				
Communication	Intelligent Interface	RS232				
	RS232 Cable Type	RS232 Cable				
	Monitoring Software	UPSilon2000				
Conformance	Safety & EMC Approved	CE				
	Indicators LED Display	4 LEDs on Front Panel				
	Rear Panel LEC(115V only)	Red LED for Site Wire Fault				
Environment	LED Status	Line, Batt Mode/Charger, Overload/Fault				
	Temperature	0-40 Degree C				
	Humidity	3000 Meters Max Elevation 10-95%				
Physical	Audible Noise	Less Than 45dBA(at 1M)		Less Than 50dBA(at 1M)		
	Dimersion(DxWxH)	415*430*89	415*430*89	415*430*89	415*430*89	525*430*89
	Weight(Kg'b)	14.5Kg	185Kg	255Kg	265Kg	325Kg