

INV Series Inverter



GENERAL SPECIFICATIONS

- CPU control technology
- SPWM technology with pure sine wave
- Powerful load capability and high compatibility
- Advanced reverse noise technology
- Settable to AC model and DC model
- Fault protection
- Interface: RS485, Dry contact

TECHNICAL SPECIFICATIONS								
Technical Specifications (VA)	0.5 K	1K	2K	3K	4K	5K	6K	10K
DC INPUT								
Input Voltage (VDC)	See the chart below							
Input Current (A)	See the chart below							
Input Range of Voltage (VDC)	See the chart below							
AC BYPASS								
Bypass Volt (VAC)	260V - 180V (±10V)							
Input Current (A)	4	6	10	15	20	25	30	50
Transfer Time (ms)	0 ms							
AC OUTPUT								
Rated Capacity (VA)	500	1000	2000	3000	4000	5000	6000	10000
Output Power (W)	400	800	1600	2100	2800	3500	4200	7000
Voltage and Frequency	110 V / 50 Hz, 220Vac / 50Hz, 600 - 230V 50 / 60 Hz							
Voltage Precision (V)	± 1.5%							
Frequency Precision (V)	50 ± 0.1%, 60Hz +0.1%							
Output wave	Pure Sine Wave							
Wave Distortion (THD) (Resistant Load)	≤ 3 % (Linear Load)							
Dynamic Reaction Time (Load 0 <---> 100%)	8 % (load 0 <---> 100%)							
Power Factor (PF)	0.8 / 0.7							
Overload	120%. 30s							
Inversion Efficiency (80% Resistant Load)	≥ 70 - 85							
Transfer Time (ms)	≤ 5 ms							
ENVIRONMENT								
Isolation (IN/OUT)	1500 VAC, 1min							
Noise (1m)	≤ 40 dB							
Temperature	-20°C to +50°C							
Humidity	0 ~ 90%, Non-condensing							
Sea Level (m)	≤ 2000							
SHOW								
LCD	Input and Output Voltage, Frequency, Output Current, Temperature							
Inverter Status	Power Normal, Inverter Normal, Battery Voltage, Output Overload							
MECHANICAL								
Protection Function	Input Low / High Voltage, Output Overload / Shortage, Reversed Input Connecting Protection							
NOTE: All specifications subject to change without notice. Consult EPC's Technical Support Department for special applications. All names used above are registered trademarks of their respective owners.								

Rated Input Voltage (VDC)	12 V	I in	24 V	I in	48 V	I in	110 V	I in	220 V	I in
Dc Input Voltage	10 - 16		20 - 32		40 - 60		90 - 160		180 - 300	
Dimension (W*H*D)	500 - 1 kVA 1kVA 2,5 kVA 2,5 kVA 8 kVA		19" x 200 x 400 19" x 300 x 500 19" x 400 x 650		--		--		--	
Rated Input Current (A)	500 VA	48	500 VA	23	500 VA	12	500 VA	6	500 VA	2.5
	1 kVA	92	1 kVA	45	1 kVA	23	1 kVA	10	1 kVA	6
	--	--	2 kVA	88	2 kVA	47	2 kVA	20	2 kVA	10
	--	--	2.5 kVA	115	3 kVA	70	3 kVA	29	3 kVA	15
	--	--	--	--	4 kVA	91	4 kVA	39	4 kVA	19
	--	--	--	--	5 kVA	112	5 kVA	49	5 kVA	24
	--	--	--	--	6 kVA	140	6 kVA	59	6 kVA	28
	--	--	--	--	10 kVA	224	10 kVA	98	10 kVA	48
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