



Fortune CP 0.5kVA – 5kVA Inverter-Chargers



Fortune CP designs, manufactures, and supplies off-grid and grid interactive inverters and inverter-chargers. The FCSKN-M series is a pure sinewave inverter-charger than can be used either for UPS/back-up systems (battery charging from grid or generator) or for solar systems.

Main Features

- Micro Processor Control
- Pure Sine Wave inverter –charger with transformer
- Wide input voltage range
- Intelligent Automatic Voltage Regulating Technology
- Intelligent Automatic Voltage Charging Technology
- Overload, short-circuit protection
- High temperature protection
- By-pass system
- Automatic charge even when inverter is off
- Manual output shut-off when inverter is not needed
- Low battery protection
- High and Low voltage protection
- With polarity protection
- Compatibility with generators
- LED & LCD Display Design Option

Applications

1. Commercial UPS/Power back-up systems
2. Telecom hybrid systems
3. Solar systems
4. Home power back-up

Fortune CP Ltd

Regus House, Admirals Park, Dartford, DA2 6QD, UK

Tel: (44)1322303070 Website: www.fortunecp.com Email: sales@fortunecp.co.uk



Specifications

MODEL	FCSKN-M500VA	FCSKN-M1000VA	FCSKN-M2000VA	FCSKN-M3000VA	FCSKN-M4000VA	FCSKN-M5000VA
DC INPUT						
Input Voltage(Vdc)	12	24	24	48	48	48
Input Current(A)	52	52	104	78	104	130
Input DC Range(Vdc)	10~14	20~28	20~28	40~56	40~56	40~56
AC Bypass						
Input AC Range(Vac)	110V-270V				165-260V	
Input Frequency(Hz)	Same as the utility power					
Input Current(A)	3.6	7.3	14.5	21.8	29.1	36.4
Charge Current	8-12AP			15-20AP		
Charge Current(A)	10A±2A or 10A - 20A Selectable					
Transfer Time(ms)	UPS Setting : ≤4 ms/ Generator : ≤1s					
AC OUTPUT (INVERTER)						
Capacity(VA)	500	1000	2000	3000	4000	5000
Output Power(W)	400	800	1600	2400	3200	4000
Output Voltage	220VAC+3% (In Inverter Mode)					
Output Frequency	50Hz/60Hz					
Output Current(A)	1.8	3.6	7.3	10.9	14.6	18.2
Voltage Precision(VAC)	220±3%				same as input	
Frequency Precision(HZ)	50±1%/60±1%(in inverter model)					
Wave	≤5%					
Power Factor(PF)	0.8					
Overload Capacity	100%~120%, 25S, 120%~200%, 1 S, >200%, 0.1S					
Inversion Efficiency	100%					
Bypass Transfer time(ms)	≤4 ms					
PROTECTION						
Protection	over temperature/ over load/ over voltage/					
	low battery/ low voltage/ Input low/ high voltage/ short current protection					
AMBIENT						
Noise(dB)	≤40 (1 meter)					
Temperature	-20~45 degree					
Humidity	0~95% (no condensation)					
Sea Level(m)	≤1500					
DIMENSIONS						
Package LxWxH(mm)	520x240x327			600x335x475		
GW. Weight(Kg) /Carton	9.5	15	22	28	35	38

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