

On-line UPS

Fuji Medium-capacity UPS UPS5000CF Series

Three-phase 10 to 160kVA

UPS5000CF



High Performance and Wide Products Line UP

Main features

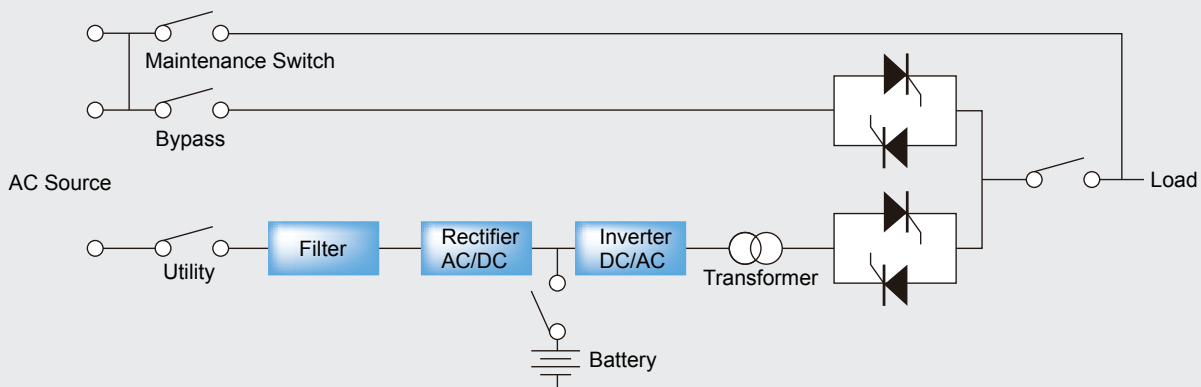
- Online double conversion
- IGBT inverter and output isolation transformer
- 3 phases UPS allow 100 % unbalance load
- Fully DSP control, high reliability and performance
- Wide input voltage range
- DC cold start function
- Advanced battery charging management
- Intelligent fan speed control
- ECO mode and EPO function
- Intelligent RS-232/RS-485 communication port
- 12 Pulse rectifier (optional)
- Bypass isolation transformer (optional)

Application

Computer room, Data center, Precision instrument, Intelligent equipment



Principle diagram



Model No. designation

UPS5000CF - T4 / □□□

① ② ③

- ① Fuji UPS series
- ② Three phase, 4 wire
- ③ Output capacity [kVA]

Fuji Medium-capacity UPS UPS5000CF Series

Specification

Series		UPS5000CF series										
Model		T4/10	T4/20	T4/30	T4/40	T4/50	T4/60	T4/80	T4/100	T4/120	T4/160	
Input	Voltage(Vac)	380/400±20 %										
	Rectifier Frequency	40 to 65										
	SYNC Frequency Tracking	50/60±5 % (±10 % optional)										
	Phase	3 φ 4w+PE										
Output	Capacity[kVA/kW]	10/8	20/16	30/24	40/32	50/40	60/48	80/64	100/80	120/96	160/128	
	Phase	3 φ 4w+PE										
	Voltage(Vac)	L-N: 220/230±1 %, L-L:380/400±1 %										
	Frequency[Hz]	50/60±0.5 % (battery mode)										
	Waveform	Pure sine wave, THD≤3 % (linear load)										
	3 Phases 100 % Load Unbalance Voltage Stability	≤2 %, allow 100 % unbalance										
	Overload	110 % load for 30 mins, 125 % load for 10 mins, 150 % load for 1 min.										
Battery	Voltage (Vdc)	12 V x 29=348										
	BATT Type	External										
	Charger Current(A)Max	10 to 40 A setting										
	Battery Self-testing	Automatically alarm and estimate battery status in battery abnormal status										
Other	Maintenance Bypass	Yes										
	Communication Interface	RS-232/RS-485 and dry contactor(MODBUS and SNMP adapter are optional)										
	Display	LCD Display indicates frequency, voltage, load, battery voltage, etc. LED indicates running status										
	Alarm	Overload, abnormal AC input, low battery, UPS failure										
	Protection	Low battery, overload, over temperature, short circuit, output over voltage, output low voltage										
	Noise[dB]	<65										
	Working Temperature	0 to 40 °C										
	Relative Humidity	0 to 95 %, No condensation										
	Dimension(W x D x H)	500 x 800 x 1180				800 x 800 x 1600			1000 x 800 x 1800			
	Mass[kg]	195	240	290	450	470	490	690	725	775	905	

Battery run time

Model	Backup time	Battery		Rack		Mass [kg]
		Capacitor/voltage	Q'ty	No.	Q'ty	
UPS5000CF-T4/10	30min	24AH/12V	29	B16	1	303
	60min	38AH/12V	29	B16	1	448
UPS5000CF-T4/20	15min	24AH/12V	29	B16	1	303
	20min	38AH/12V	29	B16	1	448
	40min	65AH/12V	29	B16	2	722
UPS5000CF-T4/30	15min	38AH/12V	29	B16	1	448
	25min	65AH/12V	29	B16	2	722
	45min	100AH/12V	29	B16	2	1041
	60min	65AH/12V	29 x 2	B16	4	1444
UPS5000CF-T4/40	15min	65AH/12V	29	B16	2	722
	30min	100AH/12V	29	B16	2	1041
	40min	65AH/12V	29 x 2	B16	4	1444
UPS5000CF-T4/50	20min	100AH/12V	29	B16	2	1041
	60min	100AH/12V	29 x 2	B16	4	2082
UPS5000CF-T4/60	15min	100AH/12V	29	B16	2	1041
	25min	65AH/12V	29 x 2	B16	4	1444
	45min	100AH/12V	29 x 2	B16	4	2082
UPS5000CF-T4/80	15min	65AH/12V	29 x 2	B32	2	1496
	30min	100AH/12V	29 x 2	B32	2	2134
	50min	100AH/12V	29 x 3	B32	3	3201

Model	Backup time	Battery		Rack		Mass [kg]
		Capacitor/voltage	Q'ty	No.	Q'ty	
UPS5000CF-T4/100	20min	100AH/12V	29 x 2	B32	2	2134
	40min	100AH/12V	29 x 3	B32	3	3201
	60min	100AH/12V	29 x 4	B32	4	4268
UPS5000CF-T4/120	18min	100AH/12V	29 x 2	B32	2	2134
	30min	100AH/12V	29 x 3	B32	3	3201
	45min	100AH/12V	29 x 4	B32	4	4268
	60min	100AH/12V	29 x 5	B32	5	5335
UPS5000CF-T4/160	12min	100AH/12V	29 x 2	B32	2	2134
	20min	100AH/12V	29 x 3	B32	3	3201
	30min	100AH/12V	29 x 4	B32	4	4268
	40min	100AH/12V	29 x 5	B32	5	5335

Battery rack

	Dimension(W x D x H)
B16	470 x 800 x 1177 mm
B32	1000 x 800 x 1600 mm

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Installation Conditions

- This unit is designed to be used indoors.
Do not install in a place exposed to direct sunlight, wind or rain.
- Avoid a dusty, hot and/or humid place.
- Our UPS is designed to work in a temperature range of 0 to +40°C.
However, we recommend that it be used at +25°C or lower to ensure stable operation over the entire life of the UPS.
- System multiplexing, installation of an emergency generator set, and special measures for operation, maintenance and control are required when the system is to be used for the following applications.
Contact us in such cases.
 - Medical equipment that directly affects human life
 - Equipment that may cause personal injury
 - Computer systems of social or public importance

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