

Uninterruptable Power Supply (UPS) COMMISSIONING AND TESTING CERTIFICATES

Date :

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Consumer :	<input type="text"/>	Phone No :	<input type="text"/>
Contact persons :	<input type="text"/>	Fax. No. :	<input type="text"/>
Location :	<input type="text"/>	Order No. :	<input type="text"/>

Technical data of UPS

Type :	<input type="text"/>	Serial No. :	<input type="text"/>
Or No:	<input type="text"/>		

Input

Rated Voltage	<input type="text"/>
Rated Frequency	<input type="text"/>

Output

Rated Voltage	<input type="text"/>
Voltage Tolerance	<input type="text"/>
Rated frequency	<input type="text"/>
Frequency Tolerance	<input type="text"/>
Overload capability (IEC 146)	<input type="text"/>
Short circuit current	<input type="text"/>

Unit

Permitted ambient air	<input type="text"/>
Recommended ambient temperature	<input type="text"/>
Degree of protection	<input type="text"/>
Humidity Class	<input type="text"/>

Power "OFF" Check :

- Checking for following ;
 - Inspect for loose connections & broken wires.
 - Battery cabinet
 - UPS
 - incoming cable
 - out going cable
 - check for loose component
 - wiring agrees exactly with wiring diagram
 - PCB plugs properly seated
 - shields properly terminated

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- Check that the fuses meet engineering specifications.
- check power rectifier ,switching devices, and DC-Link with Ohm-meter
- select power supply

2. Connect system as per drawings :

- double check connection for error or loose connections
- ensure that the control is properly grounded
- Verify that the incoming voltage is at proper level measured as :.....V
- Verify that the incoming Frequency is at proper level measured as :.....Hz
- check voltage of each battery

Power "ON" Check:

1. Rectifier switch on :

- Close incoming breaker
- Monitor and measure DC bus voltage and balanceVdc
- Check logic board power supplies

	+5Vdc		+15Vdc		-15Vdc
	+10Vdc		+24Vdc		-24Vdc
	-10Vdc				

- check keypad programming
- check and set parameter value
- check floating voltage of each battery, means.....Vdc
- Check the floating voltage of the whole batteriesVdc
- check and adjust Rectifier unit card ;
 - current limit.....Vdc
 - Amp.
 - rectifier voltage.....Vdc
 - rectifier under voltage level.....Vdc
 - rectifier over voltage level.....Vdc
 - is regulator saturated.....Yes/No
 - check rectifier under voltage limitation
 - check rectifier over voltage limitation
 - check rectifier start signal
 - check rectifier stop signal

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- check sync. Quartz
- check over load
- check +12V

- check block "inverter low DC switch off"
- check inverter stop/go forced
- check quartz reference
- check inverter monitoring actual value
- check monitoring, sync. And secondary curr. Lim.

4. Switch Static by pass switch on

- check & measure secure bus Voltage
.....Vac
- check & measure secure bus Frequency
.....Hz
- check & adjust SBS Control Unit
 - set bypass over
voltage.....Vac
 - set bypass under
voltage.....Vac
 - set secure bus over
load.....Amp
 - set secure bus over
voltage.....Vac
 - set secure bus under
voltage.....Vac
 - set IR compensation

- check bypass over load
- check over voltage
- check under voltage
- check over frequency
- check under frequency
- check secure bus over load
- check secure bus over voltage
- check secure bus under voltage
- check SBS blocked
- SBS on

- check +12 V
- check SBS on/off forced
- check bypass over voltage reference
- check bypass monitoring actual value
- check bypass under voltage reference
- secure bus monitoring actual value
- secure bus under voltage reference

- 5. Manual bypass test
- 6. Shut down UPS test
- 7. Normal operation test

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Fault in : h °C Amp.
 Vdc

Correction :

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Restart :

Date :

Sign :

Executor	Witness	Consumer
Date :		
Name:		

Note :

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