

On-Line Power Service, Inc.		Site:		Mfg:	Chloride		
<i>Preventive Maintenance Report</i>		Location:		Model#	Synthesis 10K		
<i>Chloride Synthesis UPS</i>		Date:		Part #			
		Job#		Serial #			
		Technician:		KVA:	10		
System Checks:		Metering Checks:		Measurements:			
Infrared Inspection:	Okay	UPS Status:	Normal	Input Voltage			
Damage/Overheating:	Okay	Alarm Queue Check:	Okay	L1 - L2	202.4	FU3 TO X3 ON BOOST BOARD	
Filter Capacitors:	Okay	Input:		L1 - N/GD			
Meters/Indicators:	Okay	L - L:	203	L2 - N/GD			
Cleanliness:	Okay	Boost V	780	Output Voltage			
Transfer tests:	N/A	Hz:	60	L1 - L2	237.2	208.7	
Fans / Blowers:	Okay	L1 Amps	20	L1 - N/GD 119			
Output waveform:	Okay	L2 Amps		L2 - N/GD 118.8			
Free Run Frequency:	N/A	Load:		N - GD 0.03			
Unit Load Information:		L - L:	209	Input Currents			
L1 KVA	1.7	Frequency:	60	L1	20.4	FU3	
L2 KVA	1.9	% Load	36	L2			
Total KVA	3.6	L1 Amps	17	Output Currents 208			
L1 %	42.5%	P.F.	0.92	L1	14.3	17.5	
L2 %	47.8%	Battery Status:		L2 16.1 17.9			
Load %	45.2%	Volts:	193	N 3.4			
Metering Checks:		Amps:	0	IN / OUT Phase 2.7 12.8			
Inverter		Status:	Batt in Top Lip				
Frequency	60	Battery Temp	25.4C				
Volts	209	Statistics					
Amps	15	Time on Cond. Pwr: 244 days, 20hr, 27n					
Overload Threshold	110% @ 25.2C	Time on Direct Line: 5m					
Direct Line		Power Failures: 1, 1m					
Volts	204	Total Power Failures: 153, 2d, 11h, 40m					
Frequency	60						
Battery Inspection:		Measurements:		Inspection Results:			
Type Inspection:	Initial	Ambient Temp	27C / 80F		Ambient Temp:	Okay	
Manufacturer:	Energysys	Float Volts:	193.2	12.88	Torque:	Okay	
Model:	12-HX330-FR	Ripple Volts:	0.054		Resistance (Conn):	Okay	
Date Code:	Sep-14	Charge Current:	0		Float Voltage	Okay	
No. Jars:	30	Ripple Current:	0		Ripple Voltage:	Okay	
No. Strings:	2	Inspection Results:		Voltage (Jar) Okay			
Jar Volts:	12	Cleanliness:	Okay		Temperature (Jar):	Okay	
Total String Volts:	180	Ventilation:	Okay		Conductance Tests:	Okay	
		Racks/Cabinet:	Okay		Impedance Tests:	N/A	
		Covers/Cases:	Okay		Load Tests:	N/A	
		Terminals:	Okay				
Notes: Transformer in bottom of unit: Part# Z4943B							
Customer thinks there was a 1 minute power outage over weekend and the UPS							
The unit only shows a 1 minute power outage since install in this room 244 days ago.							
I scoped output of UPS and compared to waveform of utility and waveform in computer room outlet and the computer room looks identical to the UPS waveform.							
Both UPS room and Computer room have doors open to hallway due to lack of sufficient air conditioning and so poses a security risk as well.							
Recommend the room doors to both be locked and a power outage test done on UPS.							

Parts			
Qty	Type	Part #	Description
1	PCB	15B10606G4	AP1, Battery Charger B
1	PCB	15B10604G2	AP2, Inverter Board
1	PCB	15B10722G1	AP4, Micro Board
1	PCB	15B10602G2	AP5, Boost Board
1	FUSE	A50P80	Battery Cabinet Fuse
2	FUSE	FLNR 60 ID	Output Transformer Fus
1	FUSE	A50P50	FU3 - MAINS SUPPLY
1	FAN	115V, SQ 4"	Transformer compartme
3	FAN	???V, SQ 4"	Heatsink fans
4	FUSE	?	FU3,4,5,6, Power supp
1	FUSE	?	FU3 for KL1
1	FUSE	A50P??	FU6 - INVERTER OUT
1	TRANSISTOR	CM100DY-24H	Inverter, Mitsubishy

