Break Fix - Corrective Maint
Symmetra PX250-500

April, 23 2020

Customer			Customer Ref. : UPS D6	
Customer Company	:			
Site contact name	:	Geir Almquist	Site contact Tel	:
Site contact email	:			
Site company	:	Digiplex Norway AS - Ulvenveien		
Site address	:	Selma Ellefsens vei 1, 0581 Oslo		
Site country	:	Norway	Customer account	:
Room name	:			

Field Service Engineer			Service Request # / Activity : / WO-07779850	
FSE name	:	Koen van Delft	Service District	: Norway
FSE address	:	Sandstuveien 68 0486 OSLO		

Visit results

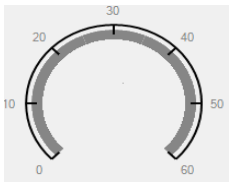
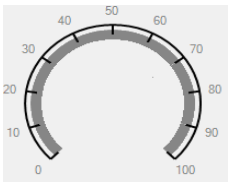
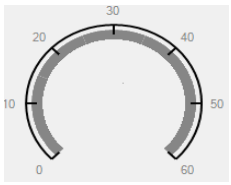
Feil Battery Frame 2: DC bus Symmetry fault høyre del, string 1 til String 4
Alle 96 blokkene ble testet med utladetester og Ohmic tester
Feilen ligger i battery monitoring Board OP4716. Den bestilles

(FSE) Recommendations / required actions

Signature

Customer signature	Schneider Electric signature
Geir Almquist	Koen van Delft

Equipment data		Customer Ref. : UPS D6	
Equipment concerned	: Symmetra PX250-500	Install/Startup date	: October, 21 2011
UPS Power Rating	: 500 kVA	Serial number	: QD1130140133
Phase Type	: 3:3	Configuration	: Single unit
Designed backup time	:		
Number of battery	:	Battery date code	:

Main Information		
Room & environmental conditions	UPS	Battery
		
Ambient temperature	Load percentage	Battery ambient temperature
	Used kVA :	
	Equipment age : 8 years, 6 months, 4 days	

Visit data		Customer Ref. : UPS D6	
Service Request # / Activity	: / WO-07779850		
Work time start	: April, 23 2020 14:06	Work time end	: April, 23 2020 14:06
Entitlement#	: (1) Year Advantage Ultra Service	Entitlement name	:
Account ID	:	ISX Solution	:

Lifecycle Indicator	Parts replacement schedule

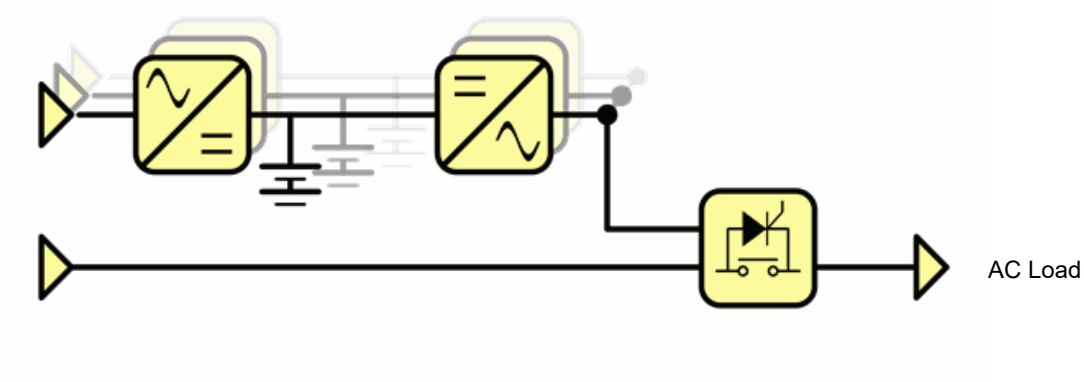
Part	2028
 Battery	

Synthesis page

Checks carried out	Status when leaving	Comments
Incident description		
Investigation and analysis		
Service and parts		
Parts with life duration		
Other services		
Conclusion, system status & recommendation		
ERP feedbacks		
Load Condition		
Diagnosis		

Maintenance summary

Installation configuration



Comments

Customer

No comment

Customer issues

Customer

No comment

Schneider Electric

No comment

List of measurement devices

Device type	Device model	Serial number	Last calibration date
Oscilloscope	Fluke 123B	DM8340210	29 July 2019

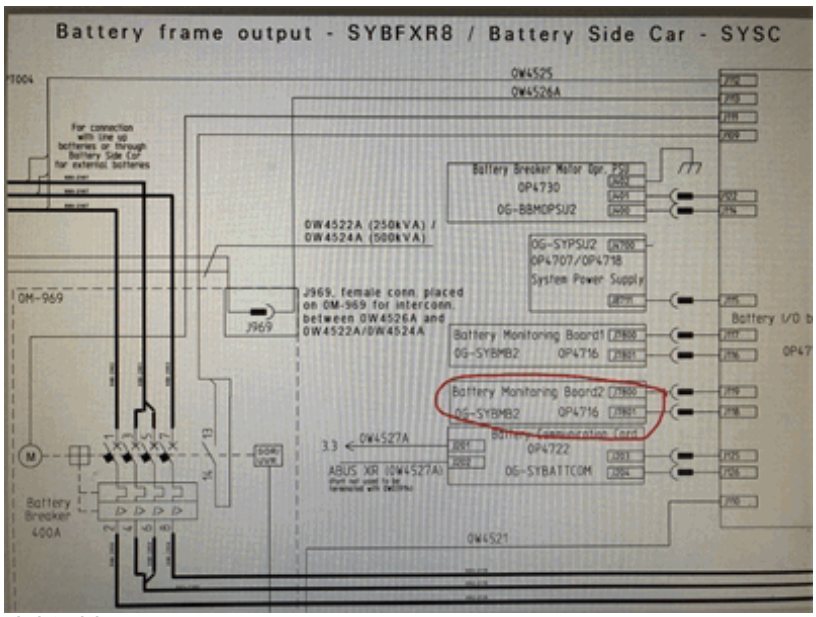
1 Incident description

Impact on customer	No disturbance
Condition of system upon arrival	UPS is on line
FSR observation	Battery cabinet 2 shows during battery discharge DC voltage disymmetry Upper 4 strings (string 1 - String 4) is indicating this alarm as soon battery test is startet

2 Investigation and analysis

Description of FSR action	All 4 battery moduls in string 3 and string 4 is interchanged with all 4 battery moduls of string 1 and string 2 String 1 and String 2: all batteries in 16 modules are checked for default/weaknes with battery tester (Ohmic and discharge). All batteries (96 pcs) are ok

2.1 Battery Monitoring Board



right side

3 Service and parts

3.1 Parts with life duration

3.1.1 Battery

Reference	SYBTU2-PLP
Quantity	96
Justification	End of lifetime
Installation date	16 March 2020
Next replacement date	2028

3.2 Other services

3.2.1 Parts replacement

Justification

OP4716 Battery Monitoring Board to be replaced
Board has to be ordered

4 Conclusion, system status & recommendation

Conclusion	Moved all battery modules string 1 to string 4 from battery frame 2 to Battery frame 1 Battery test performed: No alarms

5 ERP feedbacks

5.1 Load Condition

Condition of load equipment	No disturbance
Condition of system upon arrival	UPS is on line

5.2 Diagnosis

Circumstance of the fault	During battery operation
Premises and environment visual check	The premises are clean The premises are well-ventilated
Identify fault present	Battery fault
Visual check of the unit and sub-assemblies	No component visibly faulty One or several components should be replaced

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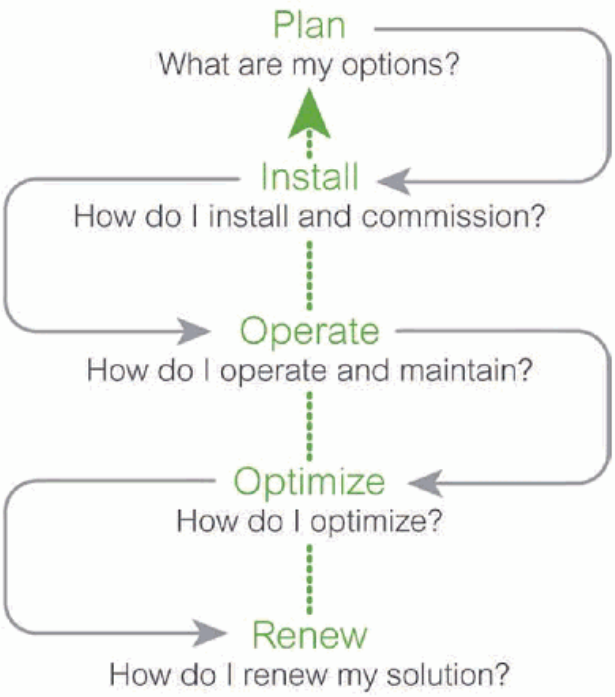

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