

Werkbonnummer	43122-23082179-64868		Wolweverstraat 15
Klant Opdracht nummer	30467889 - 70.23.9017/200/1		Ridderkerk
Start-/Eind	van 07-11-2023 tot 07-11-2023		Tel: +31(0)180-721300
Reistijd	van 14:54 tot 15:48		Ordermanagement@elinex.com
Werktijd	van 15:48 tot 17:30		
Omschrijving	Onderhoud		

Klant	Omgevingsdienst Midden-Holland (ODMH)	Unit type / Merk	UPS / Legrand
Adres	Thorbeckelaan 5	Model/Vermogen	PDSP330 / 30kVA
Postcode	2805 CA	CTO/Bouwjaar	/
Woonplaats	Gouda	S/N: / UPS nummer	1405P0479011 /
Bijzonderheden		UPS locatie	1e verdieping. Serverruimte
Locatie		BATTERIJ Aantal EBM's	2
		Type EBM	Gesloten kast met deuren
		Serienummer EBM('s)	N/A
Contactpersoon	Dhr. J. Conijn	Batt. Merk / Batt. type	Cell Power / CPW 140-12 (12V-28Ah)
Bedrijf	Unica Building Services	Type Faston	M5 (IP)
Telefoon	(0172) 64 41 44	Bouwjaar / Datum Code	2020 / CB-TG11 (Juli 2020)
Mobiel	06-57129953	Aantal Int./Ext. Batterijen	0 / 62
E-mail	jconijn@unica.nl	Aantal Int./Ext. Stringen	0 / 1

	Leeftijd	Verwachte Vervanging	Bijzonderheden
UPS	2015	2030	
Batterijen	2021	2029	
AC Caps	2015	2030	
DC Caps	2015	2030	
Ventilatoren	2015	2030	

RECTIFIER INPUT			BYPASS INPUT			INVERTER OUTPUT		
L1-L2	405	Volts	L1-L2	405	Volts	L1-L2	395	Volts
L2-L3	405	Volts	L2-L3	405	Volts	L2-L3	398	Volts
L3-L1	234	Volts	L3-L1	234	Volts	L3-L1	400	Volts
L1-N	234	Volts	L1-N	234	Volts	L1-N	228	Volts
L2-N	236	Volts	L2-N	236	Volts	L2-N	230	Volts
L3-N	409	Volts	L3-N	409	Volts	L3-N	231	Volts
Aarde-N	<	Volts	Aarde-N	<	Volts	Aarde-N	<	Volts
Frequency	50	HZ	Frequency	50	HZ	Frequency	50	HZ
Voeding rect./byp		Ja						

RECTIFIER OUTPUT			LOAD DETAILS			
Float voltage	+407,8 / -409	Volts	L1	5.4	Amps	kW
DC bus voltage pos./neg.		Volts	L2	7.8	Amps	kW
Laadstroom	3	Amps	L3	8.8	Amps	kW
			N		Amps	
						Totaal
						15-22-25
						%
						kVa

FUNCTIE TESTEN		FIRMWARE		EXTERNE BYPASS	
Normaal naar Bypass	Ja	Firmware UPS	11.1	Aanwezig	Ja
Bypass naar Normaal	Ja	Firmware Webcard		Model	3 Schakelaars geplaa
Normaal naar Batterij	Ja			Tested	Ja
Batterij naar Normaal	Ja			Signal	Nee

CONNECTIVITY							
Slot 1	SNMP	Slot 2	N.v.t. / Anders	Slot 3	N.v.t. / Anders	Slot 4	N.v.t. / Anders
IP Adres	172.16.1.20	Gateway nr.	172.16.1.1	Subnet	255.255.255.0		

SITE CONDITIE			UPS CONDITIE			BATTERY CONDITIE					
	Goed	Gemiddeld	Slecht		Goed	Gemiddeld	Slecht				
Installatie	✓			Installatie	✓			Installatie	✓		
Schoon	✓			Schoon	✓			Schoon	✓		
Ventilatie	✓			Ventilatie	✓			Ventilatie	✓		
Vent Type	Airconditioning			NEN 2767 UPS	Goed			NEN 2767 UPS	Goed		
Temp. Deg.C	21			Temp. Deg.C	24			Temp. Deg.C	22		

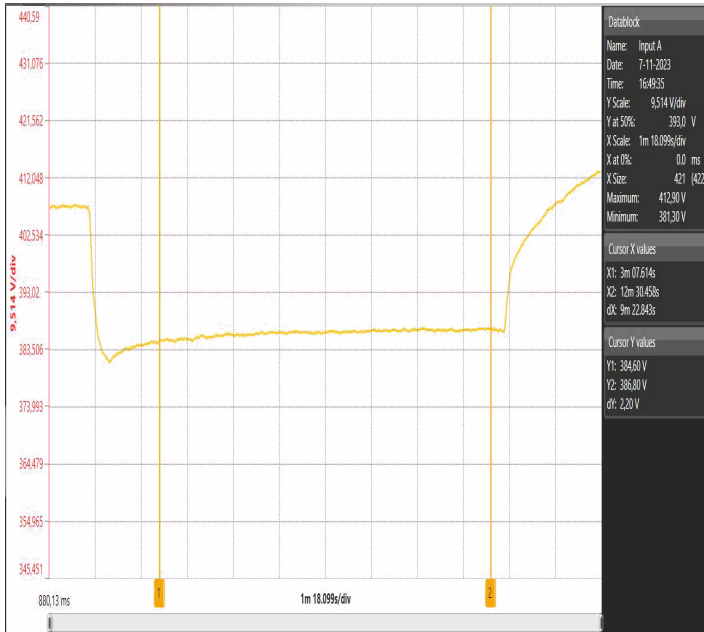
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Toelichting					
Werkopdracht:					
Onderhoud uitvoeren					
Omschrijving uitgevoerde werkzaamheden:					
<p>Bij aankomst de No-break installatie visueel geïnspecteerd. De input en output spanningen/stromen gemeten en genoteerd. De UPS naar externe bypass en teruggeschakeld naar online bedrijf, geen bijzonderheden. De UPS schoongemaakt waar nodig. Een belaste batterijtest uitgevoerd gedurende 10 minuten. Tijdens de batterijtest de laad en ontlad spanning/stromen gemeten. Screenshot's, eventlog en foto's toegevoegd aan de rapportage. UPS goed functionerend achter gelaten.</p>					
Opmerkingen:					
Heeft de klant openstaande vragen of opmerkingen?: Nee					

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Batterij ontladings informatie

Belaste batterijtest uitgevoerd gedurende:		10	minuten	
Ontlaadstroom:	7	Adc		
Laadstroom:	3	Adc		
Beginspanning:	412.9	Vdc		
Eindspanning:	381.3	Vdc		
Intern:			Extern:	
string 1:			string 1:	
Ontlaadstroom:		Adc	Ontlaadstroom:	3.4 Adc
Laadstroom:		Adc	Laadstroom:	1.3 Adc
string 2:			string 2:	
Ontlaadstroom:		Adc	Ontlaadstroom:	3.6 Adc
Laadstroom:		Adc	Laadstroom:	1.7 Adc
Berekende autonometijd na afloop van de batterijtest: ca			minuten	

Batterij ontladingsgrafiek:



Foto's



UPS



Externe batterijen de UPS



Externe bypass in verdeelkast geplaatst



UPS in interne bypass



UPS on battery

Screenshots

System Status

System Information

Hardware Version	HCP504	UPS Last Self Test	--
Firmware Version	2.46.CP504.Infisp.2	UPS Next Self Test	--
Serial Number	3928423496	UPS Critical Load	80 %
System Name	UPS	UPS Critical Temperature	70.0 °C
System Contact	netwerdbeheer@odmh.nl	UPS Critical Capacity	10 %
Location	MER		
System Time	2010/12/31 03:52:38		
Uptime	729 day(s) 03:52:38		

Warning will be initiated 10 minute(s) before Scheduled Shutdown Event
Send Email for Daily Report (No)

Network Status

MAC Address	00:03:EA:08:77:C8	Primary DNS Server	10.0.0.5
Connection Type	100Mbps Full-Duplex	Secondary DNS Server	10.0.0.6
IP Address	172.16.1.20	Time Server	none
Subnet Mask	255.255.255.0	PPPoE IP	
Gateway	172.16.1.1		
Email Server	10.0.0.41		

System Information

Hardware Version	HCP504	UPS Last Self Test	--
Firmware Version	2.46.CP504.Infisp.2	UPS Next Self Test	--
Serial Number	3928423496	UPS Critical Load	80 %
System Name	UPS	UPS Critical Temperature	70.0 °C
System Contact	netwerdbeheer@odmh.nl	UPS Critical Capacity	10 %
Location	MER		
System Time	2010/12/31 03:53:29		
Uptime	729 day(s) 03:53:30		

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Gateway	172.16.1.1		
Email Server	10.0.0.41		

Refresh status every 10 seconds

Rectifier Status

Rectifier Voltage R/ST (V)	234.4/233.5/236.2	Reserve Voltage R/ST (V)	234.3/232.8/235.6
Frequency (Hz)	50.0	Bypass Breaker On	Open
Rectifier Current R/ST (A)	8.8/8.1/8.6	Bypass AC Power	Normal
Rectifier Operating	Yes		
Input Max. Line Voltage (V)	249.5		
Input Min. Line Voltage (V)	202.5		

Output Status

Output Voltage R/ST (V)	227.8/230.7/231.0	High DC Shutdown	No
Load R/ST (%)	17/23/26	Overload Shutdown	No
Frequency (Hz)	50.1	Over Temperature Shutdown	No
Output Current (A)	5.4/7.8/8.8		
Static Switch	Inverter		

Battery Status

Voltage of Positive Leg (V)	407.8	Voltage of Negative Leg	408.8
Positive Leg Charge Current (A)	(+) 000.2	Negative Leg Charge Current (A)	(+) 000.1
Temperature (j&C)(j&F)	25.0 °C (77.0 °F)	Estimated Battery Remaining Time	03:00:00

UPS Properties

UPS Communication Type: Pyramid-Tri

UPS Device Name: INFORM UPS

UPS Model: PDSP33000

UPS Voltage Rating (V): 230.0

%100 load battery backup time (seconds): 2700

Recharge Time (seconds): 0

Date of last battery replacement (yyyy/mm/dd): 2021/03/01

UPS Recorded

UPS Data Log: 1 minute

Test UPS

Test UPS every: None

Start Time of UPS Test (hh:mm):

UPS Test Type: 10-Second Test

Warning Threshold Value

Time out after loss of connection: 30 seconds

Critical Load (%): 80

Critical Temperature (°C): 70.0

Critical Capacity (%): 10

Apply Reset Help

IP Address

IP Address: 172.16.1.20

Subnet Mask: 255.255.255.0

Gateway: 172.16.1.1

Obtain an IP address*: Manually

DNS Server IP

Primary DNS Server IP: 10.0.0.5

Secondary DNS Server IP: 10.0.0.6

Ethernet

Connection Type*: Auto Sense

Stop UPS communication when Ethernet disconnected: No

Modbus on TCP Device ID: 1

Dynamic DNS

Services Provider: None

Domain Name:

Login Name:

Login Password:

Use external STUN server to get Public IP to register: No

Primary STUN Server IP: 211.21.87.53

Secondary STUN Server IP:

PPPoE

When Connection should be made: Disabled

Login Name:

Login Password:

UPS Information

UPS Firmware Version: V1.0

Battery Information

Date of last battery replacement: 2021/03/01

Battery Charge Voltage: 2.267V

Rating Information

Rectifier Voltage*: 220V/380V 3W+N

Output Voltage*: 230V/400V 3W+N

Rectifier Frequency: 50Hz

Output Frequency: 50Hz

Battery Voltage: 2x372V

Power Rating: 000kVA

*: Phase-to-Neutral / Phase-to-Phase / Number-of-Phase and Number-of-Wire


Help

Refresh status every 10 seconds

Rectifier Status		Bypass Status	
Rectifier Voltage R/S/T (V)	233.7/232.9/235.6	Reserve Voltage R/S/T (V)	235.1/233.2/235.4
Frequency (Hz)	50.0	Bypass Breaker On	Open
Rectifier Current R/S/T (A)	2.2/2.2/2.3	Bypass AC Power	Normal
Rectifier Operating	Yes		
Input Max. Line Voltage (V)	246.5		
Input Min. Line Voltage (V)	202.5		
Output Status		Inverter Status	
Output Voltage R/S/T (V)	233.5/233.9/234.8	High DC Shutdown	No
Load R/S/T (%)	0/0/0	Overload Shutdown	No
Frequency (Hz)	50.0	Over Temperature Shutdown	No
Output Current (A)	0.0/0.0/0.0		
Static Switch	Bypass		
Battery Status			
Voltage of Positive Leg (V)	407.8	Voltage of Negative Leg	409.6
Positive Leg Charge Current (A)	(+) 0.0/0.4	Negative Leg Charge Current (A)	(+) 0.0/0.1
Temperature (°C/°F)	26.0 °C (78.8 °F)	Estimated Battery Remaining Time	03:00:00

Refresh status every 10 seconds

Rectifier Status		Bypass Status	
Rectifier Voltage R/S/T (V)	0.0/0.0/0.0	Reserve Voltage R/S/T (V)	0.0/0.0/0.0
Frequency (Hz)	50.1	Bypass Breaker On	Open
Rectifier Current R/S/T (A)	0.9/1.2/1.1	Bypass AC Power	Abnormal
Rectifier Operating	No		
Input Max. Line Voltage (V)	246.5		
Input Min. Line Voltage (V)	0.0		
Output Status		Inverter Status	
Output Voltage R/S/T (V)	229.4/230.4/231.6	High DC Shutdown	No
Load R/S/T (%)	17/24/26	Overload Shutdown	No
Frequency (Hz)	50.1	Over Temperature Shutdown	No
Output Current (A)	5.3/8.2/8.9		
Static Switch	Inverter		
Battery Status			
Voltage of Positive Leg (V)	387.5	Voltage of Negative Leg	389.1
Positive Leg Charge Current (A)	(-) 0.0/6.1	Negative Leg Charge Current (A)	(-) 0.0/6.5
Temperature (°C/°F)	25.0 °C (77.0 °F)	Estimated Battery Remaining Time	00:00:00

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Eventlog					
Date/Time,Event					
Naam klant	Dhr. T Hulscher	Handtekening		Engineer	Ahmed El Ouardi