

Uppgiftslämnaren reserverar sig för eventuella fel i produktinformationen eller felaktigt registrerade uppgifter och förbehåller sig rätten att korrigera och/eller komplettera produktinformation utan föregående avisering

## 1 GRUNDDATA

### Varubeskrivning

Svensktillverkad Batteribackup av fabrikat Milleteknik 24V.

### Övriga upplysningar

#### Klassificeringar

ETIM ›	-EC011960 -
BK04 ›	
BSAB ›	
UNSPSC ›	-39121011

### Leverantörsuppgifter

#### Företagsnamn

Milleteknik AB

#### Organisationsnummer

5564692043

#### Adress

Ögärdesvägen 8B

#### Hemsida

www.milleteknik.se

#### Miljökontaktperson

##### Namn

Johan Dahlpil

##### Telefon

031-34 00 230

##### E-post

johan.dahlpil@milleteknik.se

## 2 HÅLLBARHETSARBETE

### Företagets certifiering

- ISO 9000
- ISO 14000

### 3 INNEHÅLLSDEKLARATION

Kemisk produkt	Nej
Omfattas varan av RoHS-direktivet	Ja
Innehåller produkten tillsatt nanomaterial, som är medvetet tillsatta för att uppnå en viss funktion	Nej
Varans vikt	13 - 15 kg

#### Vara / Delkomponenter

Koncentrationen har beräknats på hela varan

Ingående material /komponenter	Vikt-% i komponent	CAS-nr (alt legering)	EG-nr (alt legering)	Vikt % i produkt	Kommentar
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Del av materialinnehållet som är deklarerat

#### Särskilt farliga ämnen

Varan innehåller INTE några ämnen med särskilt farliga egenskaper (Substances of very high concern, SVHC-ämnen) som finns med på kandidatförteckningen i en koncentration som överstiger 0,1 vikts-%

Utgåva av kandidatförteckningen som har använts

2020-04-11 00:00:00

#### Övrigt

Ämnen är redovisade ned till 2 viktprocent och riktlinjerna i iBVDs redovisningskrav har följts. Eventuell avvikelse från redovisningskraven redovisas nedan.

### 4 RÅVAROR

#### Återvunnet material

Innehåller varan återvunnet material: Nej

#### Träråvara

Träråvara ingår i varan: Nej

## 5 MILJÖPÅVERKAN

Finns en miljövarudeklaration framtagen enligt EN15804 eller ISO14025 för varan

Nej

Finns annan miljövarudeklaration

Nej

## 6 DISTRIBUTION

Information saknas

## 7 BYGGSCHEDET

Ställer varan särskilda krav vid lagring?

Ja

Frostkänslig

Ställer varan särskilda krav på omgivande byggvaror?

Nej

## 8 BRUKSSCHEDET

Finns skötselansvisningar/skötselråd?

Nej

Finns en energimärkning enligt energimärkningsdirektivet (2010/30/EU) för varan?

Nej

## 9 RIVNING

Kräver varan särskilda åtgärder för skydd av hälsa och miljö vid rivning/demontering?

Nej

## 10 AVFALLSHANTERING

Omfattas den levererade varan av förordningen (2014:1075) om producentansvar för elektriska och elektroniska produkter när den blir avfall?

Ja

Är återanvändning möjlig för hela eller delar av varan?

Nej

Är materialåtervinning möjlig för hela eller delar av varan?

Nej

<b>Är energiåtervinning möjlig för hela eller delar av varan?</b>	Nej
<b>Har leverantören restriktioner och rekommendationer för återanvändning, material- eller energiåtervinning eller deponering?</b>	Nej
<b>När den levererade varan blir avfall, klassas den då som farligt avfall?</b>	Nej
<b>Avfallskod (EWC) för den levererade varan</b>	Ej angivet

E-nummer	Leverantörens artikelnummer	GTIN
52 135 69	FL01P30024P050-SSF	
52 135 70	FL01P30024P100-SSF	
52 135 71	FL01P20024P150-SSF	
52 135 72	FL01P20024P250-SSF	

<b>Produktdatablad</b>	Product sheet NOVA FLX L_ver Pro3V1_Pro2V1_eng.pdf
<b>Prestandadeklaration</b>	Declaration of conformity NOVA FLX L.pdf
<b>Säkerhetsblad</b>	
<b>Miljövarudeklaration</b>	
<b>Skötselansvisning</b>	
<b>Övriga bifogade dokument</b>	

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# Battery backup NOVA FLX L Series



The **NOVA series** is mainly used in security systems where an SSF 1014\* approved battery backup is required or where the requirements are higher concerning; more features and alarm functions.

## INTELLIGENT CHARGING

The **NOVA series** offers **INTELLIGENT CHARGING** which means that when the batteries are fully charged they will be disconnected electronically for standby mode for up to 20 days. By charging the batteries every 20 days (instead of not being used), the system extends the battery life by up to 50%. The batteries automatically reconnects in less than 50 microseconds when needed.

## BATTERY CHANGE INDICATION

The system is also equipped with internal power resistors for qualified battery capacity test, which announces when the batteries need to be replaced before the batteries are aged.

## FLEXIBLE & EXPENDABLE

The **NOVA FLX L series** shall be mounted on the wall or in 19" rack (reversible angles included). The system can be supplemented with a battery box if needed. The battery box slides in to the bottom of the battery backup and connects through a pluggable connector. The battery box have space for 2x 45Ah batteries per each battery box.

\*NOTE THAT THE BATTERY BACKUP MUST BE CO-CERTIFIED WITH THE PARENT SYSTEM FOR THE PRODUCT TO BE APPROVED IN SSF 1014, ALARM CLASS 1-4.

## MORE THAN JUST A POWERSUPPLY

If the NOVA series is connected to RS485 (needs communication with superior system) it is able to send information about;

- System load (max, average, minimum)
- System voltage (max, average, minimum)
- System temperature (max, average, minimum)
- Possible operating time in case of power failure

The system also presents all alarm functions through RS485 communication.

The above features are also possible to read through a PC software which is available to download free of charge. In addition to the PC software, you also need a USB-TTL adapter.

Expected backup operating time at  
below conditions

@ Current

System Voltage	Batteries		2A	4A	8A	10A	14A	18A
24V	2x 45Ah		21h	12h	4h	3h	2h	1,5h
24V	4x 45Ah	(with 1x battery box)	42h	20h	12h	8h	5h	3,5h
24V	6x 45Ah	(with 2x battery box)	64h	30h	15h	12h	9h	6h
24V	8x 45Ah	(with 3x battery box)	82h	42h	20h	16h	12h	10h
24V	10x 45Ah	(with 4x battery box)	108h	55h	27h	22h	15h	13h

# Technical data

NOVA 24V 5A FLX L

NOVA 24V 10A FLX L

NOVA 24V 15A FLX L

NOVA 24V 25A FLX L

## Recommended environment and the product's enclosure:

Recommended environment:	Environment Class 1, Inhouse, 20% ~ 90% relative humidity			
Ambient temperature:	+5 °C - 40 °C (For optimal battery life +15 °C - +25 °C)			
Protection Class:	IP32			
Recommended mounting:	Wall or Rack (reversible angles included)			
Dimension (HxWxD):	444x436x210mm			
Net Weight:	12kg	13kg	14kg	15kg
Number of cable penetrations:	4pcs			
The color of the enclosure:	Black			
Built in fan for cooling:	Yes			

## Electrical information:

Input voltage:	110V-264VAC/47-63Hz			
Output voltage:	27,3VDC			
Load Current I <sub>max a</sub> :	4,5A	10A	14A	25A
Load Current I <sub>max b</sub> :	5A	10A	15A	27A
Rated power:	120W	240W	336W	648W
Overload:	105-150% rated output power		105-135% rated output power	
Ripple at normal operation:	200mVp-p	200mVp-p	150mVp-p	150mVp-p
Efficiency:	84%	89%	87%	88%
Heat generation at 50% / 80% of rated power:	8,4W / 13,5W	17W / 27W	31W / 49W	50W / 80W
Input Current:	1,7A	2A	1,8A	3,6A
Number of fused outputs:	2pcs			
Type of fuse output:	2xF5A (glass)	2xF10A (glass)	2xC16A	2xC25A
Deep-discharge protection occurs at:	21V			
Possible to connect in parallel:	YES			
Protection against:	Overload, Overvoltage, Overtemperature, Short circuit and Deep discharge			
Alarm functions (4 outputs):	Power failure (output 1), low battery voltage (output 2), over/undervoltage, aged batteries, disconnected batteries, battery short circuit failure, battery capacity to low, charging error, low system voltage, load fuse failure (output 3), tamper alarm (output 4).			
Alarm through:	Alternating relay or RS485. (need to have communication with parent system for RS485 communication)			

## Article information:

Article name:	NOVA 24V 5A FLX L	NOVA 24V 10A FLX L	NOVA 24V 15A FLX L	NOVA 24V 25A FLX L
Article number:	FL01P20024P050-SSF	FL01P20024P100-SSF	FL01P20024P150-SSF	FL01P20024P250-SSF
E-number:	5213569	5213570	5213571	5213572
Certification name:	NOVA 27 50-FLX_L_PRO3V1	NOVA 27 100-FLX_L_PRO3V1	NOVA 27 150-FLX_L_PRO2V1	NOVA 27 250-FLX_L_PRO2V1
The product meets and are certified according to:	EMC Directive 2014/30EU, Low Voltage directive: 2014/35/EU CE directive according to 765/2008, Emission: EN61000-6-2:2001, EN55022:1998--A1:2000, A2:2003 Class B, EN61000-3-2:2001. Immunity: EN61000-6-2:2005, EN61000-4-2, -3, 4, -5, -6, -11. SSF1014, Alarm Class 1-4, (Burglar Alarms and Integrated Security Systems).			
Certification No:	20-117			
Warranty period / Rules for warranty:	5 years. / 1. Ambient temperature shall not exceed 32° Celsius. 2. Medium current shall not exceed 80% of rated current. 3. The system must be used with UPLUS 10+ Design Life batteries. 4. The fan shall be cleaned annually and changed if needed.			
Producer:	Milleteknik AB			
Country of origin:	Sweden			

## Information and choice of battery / batteries:

Designated battery type:	12V Maintenance-free batteries, type AGM
Possible battery types:	2x 45Ah
System tested and certified with:	UPLUS 10+ Design Life 45Ah batteries (up to 10x 45Ah batteries; 225Ah)
Article number 45Ah batteries:	MT113-12V45-01

## Approved average load according to SSF1014 Alarm Class 1-4:

Article name:	NOVA 24V 5A FLX L	NOVA 24V 10A FLX L	NOVA 24V 15A FLX L	NOVA 24V 25A FLX L
excl. batterybox (2x 45Ah batteries):				
Alarm Class 1-2:	3,7A	3,7A	3,6A	3,6A
Alarm Class 3-4:	1,5A	1,5A	1,4A	1,4A
incl. 1x batterybox (4x 45Ah batteries):				
Alarm Class 1-2:	-	7,4A	7,3A	7,3A
Alarm Class 3-4:	-	3A	2,9A	2,9A
incl. 2x batterybox (6x 45Ah batteries):				
Alarm Class 1-2:	-	-	11,1A	11,1A
Alarm Class 3-4:	-	-	4,4A	4,4A
incl. 3x batterybox (8x 45Ah batteries):				
Alarm Class 1-2:	-	-	14,8A	14,8A
Alarm Class 3-4:	-	-	5,9A	5,9A
incl. 4x batterybox (10x 45Ah batteries):				
Alarm Class 1-2:	-	-	-	18,7A
Alarm Class 3-4:	-	-	-	7,5A



## EU Declaration of Conformity

According to the EMC Directive 2014/30/EU & the Low Voltage Directive LVD 2014/35/EU

**Type of equipment:**

**Brand name or trade mark:**

**Type designation(s)/Model no(s):**

**Manufacturer's name, address, telephone & fax no:**

Milleteknik AB  
Ögärdesvägen 8 B  
SE-433 30 PARTILLE, SWEDEN  
Phone: +46-31-34 00 230, Fax: --

**Manufacturer's authorized representative within EU (for manufacturers outside EU): --**

**The following standards and/or technical specifications, which comply with good engineering practice in safety matters in force within the EEA, have been applied:** Standard Test report/technical construction file/normative document.

**Additional information:**

**In addition, the products are tested for the following standard:**

As manufacturer/ the manufacturer's authorized representative established within EEA, we declare under our sole responsibility that the equipment follows the provisions of the Directives stated above.

**Date and place of issue Signature of authorized person:**

**Name & Position**



Elias Bylund, Product Specialist

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