Battery backup NOVA FLX M 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 M 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 (new batteries):

@ Currency

System Voltage		Batteries		2A	4A	8A	10A	14A	18A
24V	2x	20Ah		9h	3,5h	1,5h	1h	30min	20min
24V	2x	45Ah	(with 1x battery box)	21h	12h	4h	Зh	2h	1,5h
24V	4x	45Ah (90Ah)	(with 2x battery box)	42h	20h	12h	8h	5h	3,5h
24V	6x	45Ah (135Ah)	(with 3x battery box)	64h	30h	15h	12h	9h	6h
24V	8x	45Ah (180Ah)	(with 4x battery box)	82h	42h	20h	16h	12h	10h



For order: <u>order@milleteknik.se</u> For sales support: <u>sales@milleteknik.se</u> For technical support: <u>support@milleteknik.se</u> Telephone number: +46 31 34 00 230

Technical data

	NOVA 24V 5A FLX M	NOVA 24V 10A FLX M	NOVA 24V 15A FLX M	NOVA 24V 25A FLX M
ecommended environment and the product's enclose	sure:			
ecommended environment:			20% ~ 90% relative humidity	
mbient temperature:		+5 °C - 40 °C (For optimal	. ,	
rotection Class:			32	
ecommended mounting:		Wall or Rack (revers	ible angles included)	
imension (HxWxD):		224x437x2	12mm (5U)	
et Weight:	8kg	8,5kg	9,5kg	10,5kg
umber of cable penetrations:		4 pcs baffle in	lets/knockouts	
ne color of the enclosure:		Bla	ack	
uilt in fan for cooling:		Yi	es	
ectrical information:				
put voltage:		110V-264V/	AC/47-63Hz	
utput voltage:		27,3	VDC	
pad Current Imax a:	4,5A	10A	14A	25A
pad Current Imax b:	5A	10A	15A	27A
ated power:	120W	240W	336W	648W
verload:	105-150% rate	ed output power	105-135% rate	d output power
pple at normal operation:	200mVp-p	200mVp-p	150mVp-p	150mVp-p
ficiency:	84%	89%	87%	88%
eat generation at 50% / 80% of rated power:	8,4W / 13,5W	17W / 27W	31W / 49W	50W / 80W
put Current:	1,7A	2A	1,8A	3,6A
umber of fused outputs:	.,	2p		-,
vpe of fuse output:	2xF5A (glass)	2xF10A (glass)	2xC16A	2xC25A
eep-discharge protection occurs at:	241 077 (91000)		V	EXOLON
ossible to connect in parallel:		YI		
	0			~~~
rotection against:		verload, Overvoltage, Overtempera		
arm functions (4 outputs):		tery voltage (output 2), over/underv to low, charging error, low system v		
arm through:	Alternating relay	or RS485. (need to have communic	ation with parent system for RS485	5 communication)
ticle information:				
ticle name:	NOVA 24V 5A FLX M	NOVA 24V 10A FLX M	NOVA 24V 15A FLX M	NOVA 24V 25A FLX M
ticle number:	FM01P30024P050-SSF	FM01P30024P100-SSF	FM01P20024P150-SSF	FM01P20024P250-SSF
number:	5213565	5213566	5213567	5040500
				5213568
	NOVA 27 50-FLX M PRO3V1	NOVA 27 100-FLX M PRO3V1	NOVA 27 150-FLX M PRO2V1	5213568 NOVA 27 250-FLX M PRO2V
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