

PRODUCT OVERVIEW 2017



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SWITZERLAND

DIN Rail Power Supplies at a Glance



20...80W, 1 PHASE, CLASS II, GENERAL PURPOSE

SMPS with 1 phase input (90...264V) aimed on cost saving (2 wires connection, compact, rugged plastic housing compliant with installation in standard cabinets). Output voltages range from 5 to 24Vdc (model dependent).

Applications: building automation and industrial



85...480W, 1 PHASE, GENERAL PURPOSE

SMPS with 1 phase input (90...264V) with output voltages range from 5 to 72Vdc (model dependent) are available in a compact size, with important overload capability.

Applications: industrial, energy management, telecom, harsh environments



120...960W, 1 PHASE, HIGH PERFORMANCE, ULTRACOMPACT

SMPS with 1 phase input (90...264V) with output voltages range from 12 to 72Vdc (model dependent). They have unrivalled performance.

Applications: demanding industrial, energy management, telecom, transportation



3...240W, DC/DC CONVERTERS

DC/DC converters with wide range of input and output voltages. They fit those applications where the DC voltage conversion needs a compact and flexible solution.

Applications: industrial, transportation, telecom



5...480W, 1/2/3 PHASES, WIDE INPUT RANGE, COMPACT

SMPS with universal input (185...550Vac) with 1/2/3 phases wiring or DC (350...725Vdc) without any derating related to the input connection, with output voltages range from 12 to 72V (model dependent). They can decrease considerably the material management costs.

Applications: industrial, renewable energy, elevators, harsh environments



480...2400W, 3 PHASES, COMPACT

SMPS with 3 phases input (340...550Vac), with output voltages range from 12 to 170V (model dependent).

Applications: industrial, where compactness and high power are critical



PROTECTION, BACK-UP AND REDUNDANCY SOLUTIONS

They include versatile DC-UPS, battery chargers, battery packs and redundancy modules (ORing).

Applications: where power loss is critical

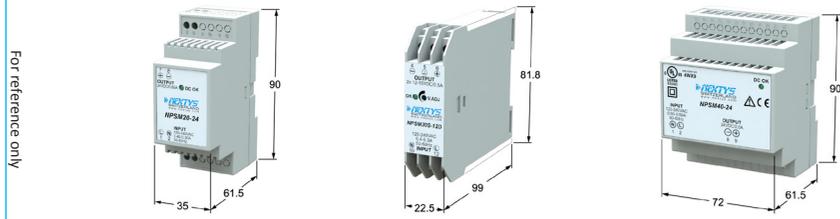


BATTERY MONITORING SYSTEM (BMS)

BATTMASTER® is an innovative high tech, compact battery monitoring system, based on wireless communication. Easy to install and operate, it is the first wireless BMS on the market.

Applications: UPS, energy management, telecom, industry

20...80W, 1 PHASE, CLASS II, GENERAL PURPOSE



CODE	Size WxHxD (mm)	Power	Input Rated Voltage	Output Rated Voltage	Continuous Current	Overload Limit (%) Pn	Efficiency
NPSM20-12	35x90x61.5	20W	120...240Vac	12Vdc	1.65A	170%	>80%
NPSM20-24				24Vdc	0.85A		
NPSM30S-12	22.5x81.8x99	30W		12Vdc	1.5A @ 10Vdc 1A @ 15Vdc	130%	>83%
NPSM30S-12D				2x12...15Vdc	0.5A		
NPSM30S-24				24Vdc	1.2A		
NPSM40-515	72x90x61.5	40W		5...15Vdc	4A @ 5Vdc 2A @ 15Vdc	150%	>80%
NPSM40-12D				2x12...16Vdc	1A		>83%
NPSM40-12				12...15Vdc	3.5A @ 12Vdc 3A @ 15Vdc		>86%
NPSM40-24		24Vdc		2A	>85%		
NPSM80-12		80W		80W	12...15Vdc	6...5A	150%
NPSM80-24			24Vdc		3.3A	>87%	

85...480W, 1 PHASE, GENERAL PURPOSE



CODE	Size WxHxD (mm)	Power	Input Rated Voltage	Output Rated Voltage	Continuous Current	Overload Limit (%) Pn	Efficiency
NPSM85-5	40x115x110	85W	120...240Vac	5Vdc	8.5A	150%	>75%
NPSM85-24 (P)				24Vdc	3.5A		>88% (>87%)
NPSM120-12		120W		12...15Vdc	7A		>84%
NPSM120-24 (P)				24Vdc	5A		>87% (>85%)
NPSM120-48P	63x140x117	240W	48Vdc	2.5A	130%	>86%	
NPSM240-12			12...15Vdc	16...14A		>84% to 86%	
NPSM240-24 (P)			24Vdc	10A		>88% (>86%)	
NPSM240-48P			48Vdc	5A		>88%	
NPSM240-72P	72Vdc	3.5A					
NPSM480-24	73x140x125	480W	200...240Vac 120/240Vac (settable with voltage input selector)	24Vdc	20A	140%	>91%
NPSM501-24	80x127x137.5		48Vdc	10A	150%	>91.5%	
NPSM501-48			72Vdc	6.7A	>92%		
NPSM501-72							
NPSM120IP	188x120x78	120W	120...240Vac	24Vdc	5A	150%	>90%
NPSM240IP		240W		10A	>93%		

120...960W, 1 PHASE, HIGH PERFORMANCE, ULTRACOMPACT



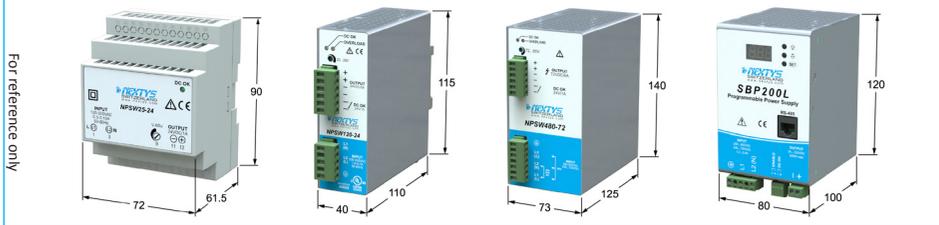
CODE	Size WxHxD (mm)	Power	Input Rated Voltage	Output Rated Voltage	Continuous Current	Overload Limit (%) Pn	Efficiency
NPSM121-24 (P)	35x103x104	120W	120...240Vac	24Vdc	5A	150%	>90% (>89%)
NPSM121-48 (P)				48Vdc	2.5A		
MEPS150-24				24Vdc	6A		
PSH150	179x100x64.5	150W		5...55 Vdc	12A	104%	>78% to 86%
NPSM241-12 (P)	40x115x110	240W		12Vdc	15A	150%	>90%
NPSM241-24 (P)				24Vdc	10A		>93%
NPSM241-48P				48Vdc	5A		>93.5%
NPSM241-72P				72Vdc	3.3A		>93%
NPSM481-24 (P)	56x117x140	480W		24Vdc	20A	150%	>93%
NPSM481-48P				48Vdc	10A		>94%
NPSM481-72P			72Vdc	6.7A	>94%		
NPSM962-12	80x127x137.5	960W	12Vdc	40A	150%	>93%	
NPSM962-24			24Vdc			>94%	
NPSM962-48			48Vdc	20A			
NPSM962-72			72Vdc	13.3A			

3...240W, DC/DC CONVERTERS



CODE	Size WxHxD (mm)	Power	Input Rated Voltage	Output Rated Voltage	Continuous Current	Overload Limit (%) Pn	Efficiency	
NDD3-1205	35x90x61.5	3W	12Vdc	5Vdc	0.6A	140%	>68%	
NDW120	40x115x110	120W	10.5...55Vdc	5...55Vdc	10A	150%	>90%	
NDD120-1212	54x115x110			12Vdc	24Vdc		7A	>81%
NDD120-1224			24Vdc	5A	>82%			
NDD120-1248			48Vdc	2.5A	>83%			
NDD120-2412			24Vdc	12Vdc	7A	125%	>86%	
NDD120-2424	24Vdc		5A					
NDD120-4812	48Vdc		12Vdc	8A	150%	>89%		
NDD120-4824			5A					
NDD240-11024	69x115x110		240W	110Vdc	24Vdc	10A	150%	>88.5%

5...480W, 1/2/3 PHASES, WIDE INPUT RANGE, COMPACT



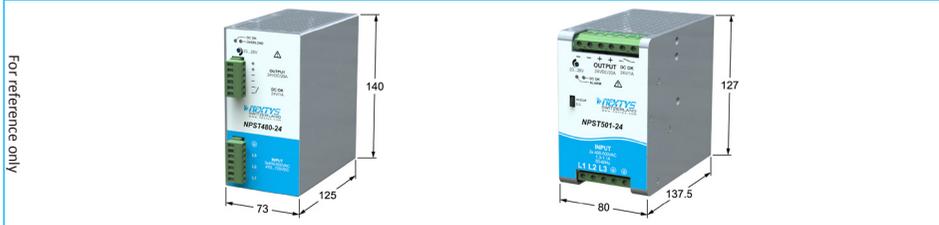
CODE	Size WxHxD (mm)	Power	Input Rated Voltage	Output Rated Voltage	Continuous Current	Overload Limit (%) Pn	Efficiency
PSW5-5	52.5x36x22	5W	1/2/3 phases 120...480Vac	5Vdc	1A	125%	>70%
NPSW25-24	72x90x61.5	25W	1/2 phases 120...500Vac	24Vdc		130%	>83%
NPSW120-12	40x115x110	120W	1/2 phases 200...500Vac	12...15Vdc	8...7A	150%	>81 to 84%
NPSW120-24				24Vdc	5A		>88%
NPSW120-48P				48Vdc	2.5A		>86%
NPSW240-12				12...15Vdc	15...12A		>89%
NPSW240-24	54x115x110	240W	1/2/3 phases 200...500Vac	24Vdc	10A	140%	>93%
NPSW240-48P				48Vdc	5A		>91%
NPSW240-72P				72Vdc	3.5A		>92%
NPSW480-24				24Vdc	20A		>92%
NPSW480-48	73x140x125	480W	1/2 phases 200...500Vac	48Vdc	10A	160%	>91%
NPSW480-72				72Vdc	6A		>88%
WEP160-26	108.5x110x74.5	160W	1/2 phases 380Vac	26Vdc	6A	160%	>87%
SBP200	80x120x100	200W	1/2 phases 200...500Vac	36...205Vdc	2.3A	110%	>87%
SBP200L				24...120Vdc	4A		>82 to 90%

2400W, 3 PHASES, MULTIPURPOSE, COMPACT



CODE	Size WxHxD (mm)	Power	Input Rated Voltage	Output Rated Voltage	Continuous Current	Overload Limit (%) Pn	Efficiency
NPS2400-24	233x160x101	2400W	400...500Vac	24Vdc	100A	150%	>92%
NPS2400-48				48Vdc	50A		>93%
NPS2400-72				72Vdc	33A		>92%
NPS2400-170				170Vdc	14A		>92%

480...960W, 3 PHASES, COMPACT



CODE	Size WxHxD (mm)	Power	Input Rated Voltage	Output Rated Voltage	Continuous Current	Overload Limit (%) Pn	Efficiency
NPST480-24	73x140x125	480W	400...500Vac	24Vdc	20A	140%	>92%
NPST501-12	80x127x137.5			12Vdc	40A	150%	>87.5%
NPST501-24				24Vdc	20A		>93.5%
NPST501-48				48Vdc	10A		>94%
NPST501-72		72Vdc	6.7A	>91%			
NPST721-24	80x127x137.5	720W	400...500Vac	24Vdc	30A	150%	>91%
NPST721-48				48Vdc	15A		>93%
NPST961-24				24Vdc	40A		>90.5%
NPST961-48				48Vdc	20A		>92.5%
NPST961-72	80x127x137.5	960W	400...500Vac	72Vdc	13.3A	150%	>93%
NPST962-12				12Vdc	40A		>93%
NPST962-24				24Vdc			>94%
NPST962-48				48Vdc	20A		>94%
NPST962-72	72Vdc	13.3A					

PROTECTION, BACK-UP AND REDUNDANCY SOLUTIONS



CODE	Size WxHxD (mm)	Function	Input Rated Voltage	Output Rated Voltage	Continuous Current	Efficiency
NEF210	35x90x61.5	DC overcurrent protector	10...31Vdc (Vin = Vout)		2 x 10A	>98.5%
NISO-20	54x115x110	DC isolation module	10...55Vdc		20A	>96%
DCU20		CPU controlled DC-UPS	12...24Vdc			>90%
DCW20		Combo DC-UPS / DC-DC Converter	10...55Vdc		>97.5%	
NUPS12		Entry level DC-UPS	13...15.5Vdc	10...15Vdc	10A	N/A
NUPS24	54x115x110	DC-UPS with integrated power supply	26...28.5Vdc	20...28Vdc	7A	>83.5%
NCU120-12			120...240Vac	12Vdc	5A	>86%
NCU120-24			24Vdc			
NBP30		12/24V, 28Wh battery pack	12 or 24Vdc			N/A
NCP12	80x120x100	Super capacitors pack	12Vdc		20A	
OR20	35x103x104	20A redundancy module			20A max	
OR50	40x115x110	CPU controlled 50A redundancy module	12...85Vdc		50A max	>99.6%
BU150U	63x140x117	CPU controlled short term DC buffer unit	12/24/48/72Vdc Autodetection		20A	N/A

NOTES:

- Codes ended with (P): factory provided with internal ORING circuit for redundant parallel connection
- The products' displayed parameters are typical. Due to continuous improvement some products data may vary with respect to the present data sheet without prior notice
- Detailed technical data sheets can be downloaded at "www.nextys.com", section "Downloads"

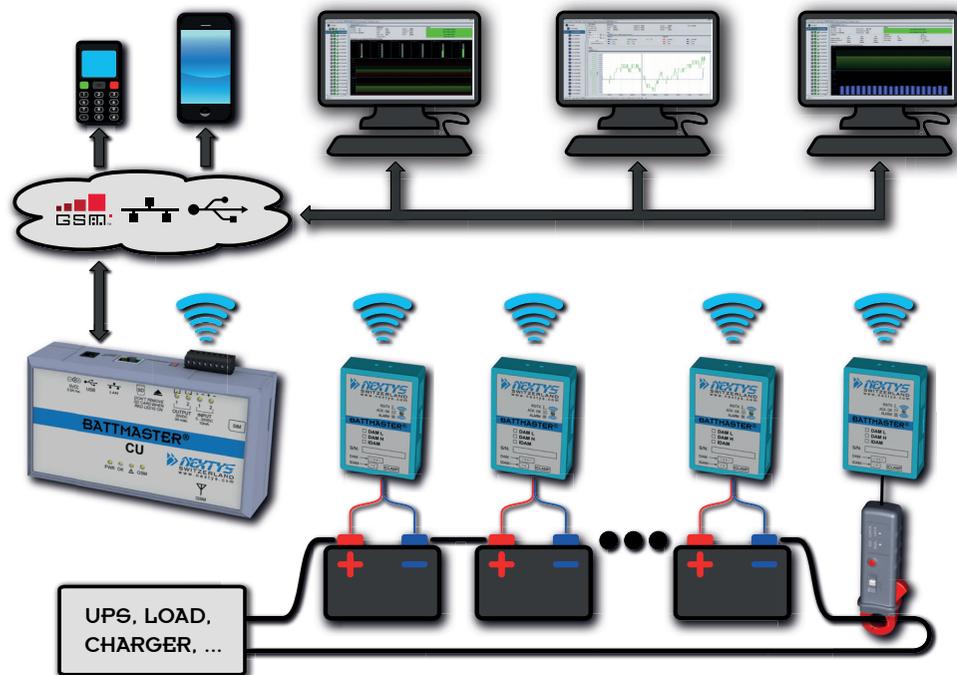
BATTERY MONITORING SYSTEM (BMS)

BATTMASTER®

A high tech, low cost, compact battery monitoring system, easy to install and operate - first wireless BMS on the market. It measures and stores for each battery (or 2V cell): the voltage, temperature, current, internal resistance and discharging cycles for up to 1024 (extendable up to >3000) batteries.

It can be integrated with any remote supervising system based on GSM, Internet or other communication means.

It includes an integrated database, data backup and restore functionalities.



SYSTEM DESCRIPTION

CU kit	One CU Kit (P/N: 6000) includes: - 1pc. CU (P/N: 6001) - 1pc. 4GB micro SD card (P/N: 6002) - 1pc. Power Supply 5V/1A (P/N: 6003) - 1pc. USB cable (type A - Mini B), 1.5m long (P/N: 6004) - 1pc. CD with documentation and software (P/N: 6005)
DAM-H	Voltage, temperature and internal resistance monitoring module for 5...18VDC (P/N: 6010)
DAM-L	Voltage, temperature and internal resistance monitoring module for 1.5...5.5VDC (P/N: 6020)
IDAM kit	Current and charge cycles monitoring module (P/N:6030). Includes: - 1pc. IDAM module (P/N: 6031) - 1pc. current clamp max. 300A (P/N: 6032) - 1pc. Power Supply 12V/0.5A (P/N: 6033)
TSENSE	External temperature sensor (P/N: 6040) - OPTIONAL

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General inquiries: info@nextys.com

Sales: sales@nextys.com



Directions:

- From **A2/E35** highway (any direction)
- Use "**Exit 47**" - **Bellinzona Sud** towards **Locarno**
- Continue for about 6.5Km, exit to **Luserte Sud**

Driving time:

- 1.5h from **Milan airports**
- 0.5h from **Lugano**

Distributor