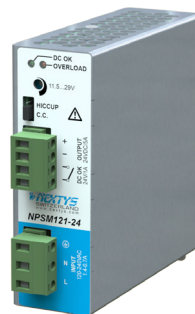
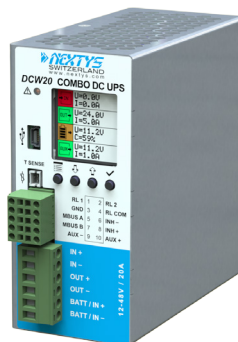


PRODUCTS OVERVIEW



» NEXTYS

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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



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: performance demanding industrial, energy management, telecom, transportation



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



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 72Vdc (model dependent). They can decrease considerably the material management costs.

Applications: industrial, renewable energy, elevators, harsh environments



2400W, 3 PHASES, MULTIPURPOSE, COMPACT

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

Applications: automation, printing industry, machine tools, telecom



480...960W, 3 PHASES, COMPACT

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

Applications: industrial, renewable energy, systems where compactness and high power are critical



PROTECTION, BACK-UP AND REDUNDANCY SOLUTIONS

Versatile overcurrent protection module, DC-UPS, short time buffer, battery chargers, battery/supercap packs and redundancy modules (ORing).

Applications: where power reliability 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



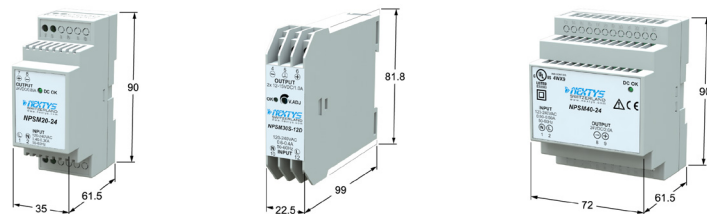
EV CHARGER

EVC (Electrical Vehicle Charger) ultracompact module, 3 phase input, 200-750Vdc out, 15 kW.

Applications: EVC stations, bus fleet charging, test systems

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

For reference only



CODE	Size WxHxD (mm)	Power	Input Rated Voltage	Output Rated Voltage	Continuous Current	Overload Limit (%) Pn	Efficiency
NPSM20-5	35x90x61.5	20W	120...240Vac	5Vdc	4A	170%	>81%
NPSM20-12				12Vdc	1.65A		>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		>87%
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		12...15Vdc	6...5A		>86%
NPSM80-24				24Vdc	3.3A		>87%

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

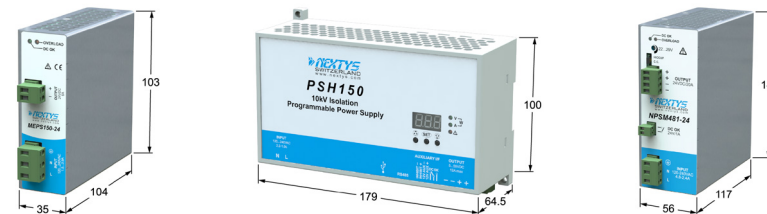
For reference only



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%	
NPSM120-12		120W		12Vdc	7A		>84%	
NPSM120-24 (P)				24Vdc	5A		>87%	
NPSM120-48P		48Vdc		2.5A	>86%			
NPSM240-12	63x140x117	240W	120/240Vac (settable with voltage input selector)	12Vdc	16...14A	130%	>86%	
NPSM240-24 (P)				24Vdc	10A		>88%	
NPSM240-48P				48Vdc	5A		>88%	
NPSM240-72P				72Vdc	3.5A			
NPSM121IP	188x120x78	120W	120...240Vac	24Vdc	5A	150%	>90%	
NPSM241IP		240W					10A	>92.5%

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

For reference only



CODE	Size WxHxD (mm)	Power	Input Rated Voltage	Output Rated Voltage	Continuous Current	Overload Limit (%) Pn	Efficiency
NPSM121-24 (P, H)	35x103x104	120W	120...240Vac	24Vdc	5A	150%	>90%
NPSM121-48 (P, H)		150W		48Vdc	2.5A	125%	>90.7%
MEPS150-24				24Vdc	6A	104%	>86%
PSH150	179x100x64.5	240W		5...55 Vdc	12A	150%	>90%
NPSM241-12 (P, H)	40x115x110			12Vdc	15A		>93%
NPSM241-24 (P, H)				24Vdc	10A		
NPSM241-36 (P, H)				36Vdc	7A		
NPSM241-48P (H)				48Vdc	5A		
NPSM241-72P (H)				72Vdc	3.3A		
NPSM481-24 (P, H)	56x117x140			48Vdc	20A		>93%
NPSM481-36 (P, H)				36Vdc	14A		>94%
NPSM481-48 (P, H)				48Vdc	10A		
NPSM481-72 (P, H)				72Vdc	6.7A		
NPSM962-12 (**)		80x127x137.5		960W	12Vdc	40A	>93%
NPSM962-24 (**)	24Vdc				>94%		
NPSM962-48 (**)	48Vdc					20A	
NPSM962-72 (**)	72Vdc				13.3A		
NPSM1500-36	250x170x132	1500W		24 or 36Vdc	40A	105%	>91.5%

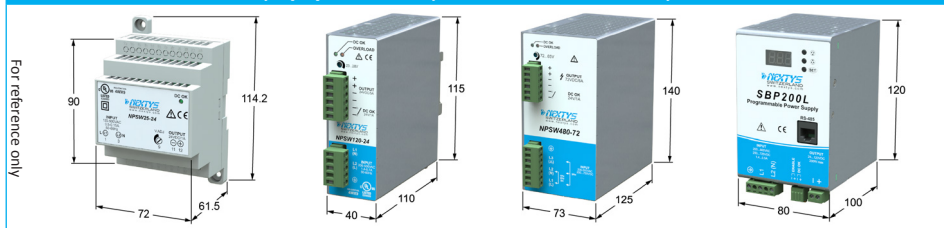
3...240W, DC/DC CONVERTERS

For reference only



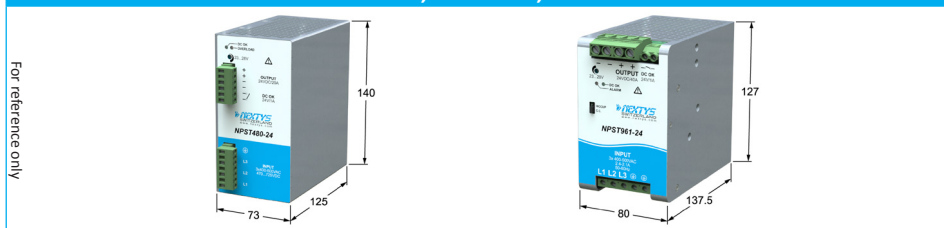
CODE	Size WxHxD (mm)	Power	Input Rated Voltage	Output Rated Voltage	Continuous Current	Overload Limit (%) Pn	Efficiency
NDD3-1205	35x90x61.5	3W	12Vdc	5Vdc	0.6A	140%	>68%
NDW240	40x115x110	240W	11...55Vdc	5...55Vdc	10A / 240W	150%	>92%
NDD241-11024P	56x140x117		90...345Vdc	24Vdc	10A	120%	>91.5%
NDD241-11036P				36Vdc	7A		>92%
NDD241-11048P				48Vdc	5A		
NDD241-11072P				72Vdc	3.3A		

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 (*)	72x114.2x61.5	24W	1/2 phases 200...500Vac	24Vdc		130%	>84.5%
NPSW120-12	40x115x110	120W		12...15Vdc	8...7A	150%	>84%
NPSW120-24				24Vdc	5A		>88%
NPSW120-48P				48Vdc	2.5A		>86%
NPSW240-12	54x115x110	240W		12...15Vdc	15...12A		>89%
NPSW240-24				24Vdc	10A	>93%	
NPSW240-48P				48Vdc	5A	>91%	
NPSW240-72P				72Vdc	3.5A	>92%	
NPSW480-24 (H)	73x140x125	480W		24Vdc	20A		140%
NPSW480-48 (H)				48Vdc	10A		
NPSW480-72 (H)						72Vdc	
WEPS160-26	108.5x110x74.5	160W	1/2 phases 380Vac	26Vdc	6A	160%	>88%
SBP200	80x120x100	200W	1/2 phases 200...500Vac	36...205Vdc	2.3A	110%	>87%
SBP200L			24...120Vdc	4A	>90%		

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%
NPST721-24	80x127x137.5	720W		48Vdc	30A	150%	>91%
NPST721-48				15A	>93%		
NPST961-24				24Vdc	40A		>90.5%
NPST961-48		48Vdc		20A	>92.5%		
NPST961-72		72Vdc		13.3A	>93%		
NPST962-12 (**)		12Vdc		40A			
NPST962-24 (**)		24Vdc					
NPST962-48 (**)		48Vdc		20A			>94%
NPST962-72 (**)		72Vdc		13.3A			

(*) Other output voltages are available

(**) Coming soon

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		
NPS2400-170				170Vdc	14A		>92%

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	11...28Vdc			>97.5%
DCW20		Combo DC-UPS / DC-DC Converter	11...58Vdc			>98%
NUPS12		Entry level DC-UPS	13...14.5Vdc	12Vdc	10A	N/A
NUPS24			26...28.5Vdc	24Vdc		
NCU120-12		DC-UPS with integrated power supply	120...240Vac	12Vdc	7A	>83.5%
NCU120-24				24Vdc	5A	>86%
NBP30		12/24V, 28Wh battery pack	12 or 24Vdc		20A	N/A
NCP12	80x120x100	Super capacitors pack	12Vdc			
OR20	35x103x104	20A redundancy module	12...85Vdc			
OR50	40x115x110	CPU controlled 50A redundancy module			50A	>99.6%
BU150U	63x140x117	CPU controlled short term DC buffer unit	12/24/48/72Vdc Autodetection		20A	N/A
MBC2K	40x115x110	Motor brake controller	24...110Vdc		50A for 1s	
CKMC5	7.7x112x90	Ultracompact motor soft-start	12/24Vdc	12...30Vdc	4A	

NOTES:

- Codes ended with **(P)**: factory provided with internal ORing circuit for redundant parallel connection
- Codes ended with **(H)**: include enhanced transient overvoltage protection (> 6kV)
- 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"

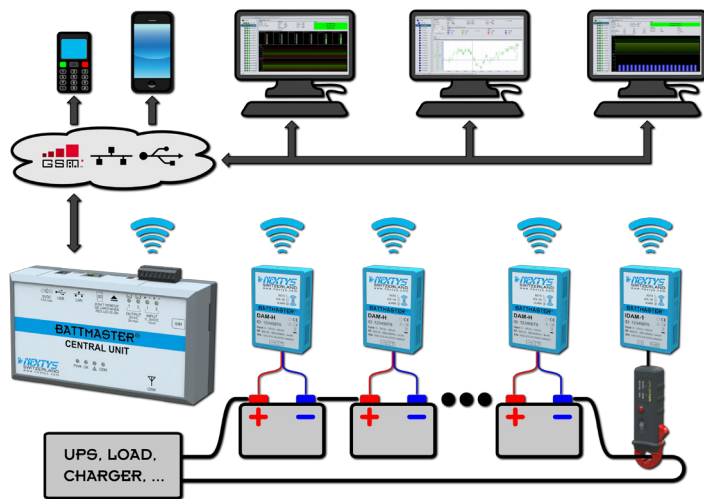
BATTERY MONITORING SYSTEM (BMS)

BATTMASTER®

A high tech, low cost, compact, easy to install and operate battery monitoring system (BMS) - first wireless on the market.

It measures and stores for each block (or 2V cell), up to 1024 pcs./system, extendable to > 3000 pcs.: the voltage, temperature, current, internal resistance and discharging cycles. 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.



EV CHARGER

EV CHARGER

EVCT 15-750 is a modern, digitally based 15kW EVC module. Excellent compactness, wide range of output voltages and CAN communication makes it compliant to many battery systems. It can be paralleled for increased power. It is suitable for fast charging of standard electric cars and heavy vehicles (buses, delivery trucks, etc.).



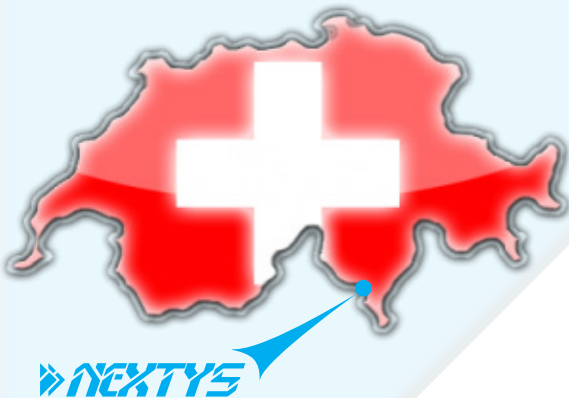


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Sales: sales@nextys.com



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