SBP200

AC/DC Variable Power Supply 36 VDC to 205 VDC 200W









Main Features

-) High efficiency and compact size
- / Active PFC
- J Wide input voltage range 170...550Vac
- J Wide output voltage range 36...205Vdc, user settable
- J 2 user programmable voltage steps with settable duration
- J Digital Power regulation
-) Remote ON/OFF or other remote control functions possible through ENABLE input
-) Multiple protections
- J Ideal for elevator application
- *J* Excellent versatility, allowing parts stock savings
- J~ Up to 50°C operating temperature with no derating

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TECHNICAL DATA	
Model type	SBP200
OUTPUT DATA	
Rated voltage	36205Vdc
Adj. output voltage range	36205Vac (1V resolution programmable)
Overload limit	
Short circuit peak current	2.5A
Load regulation	51%
Ripple & Noise ¹	≤ 600mVpp
Hold up time	≥ 30ms
Protections	 Overload and short circuit with constant current (3s) and one shot (no auto recovery) Thermal protection Input undervoltage lockout (UVLO)
Status Signals	 Input overvoitage protection (VDR) 7 segment, 3 digits display 3 programming keys ENABLE - Insulated remote ON/OFF input, active for 12230Vac/dc
Parallel connection	Possible with external ORing module
INPUT DATA	
Input AC rated voltage ² Frequency	Nominal: 1/2 phases 200500Vac Range: 170550Vac 4763Hz
Input DC rated voltage	250725Vdc
Input AC rated current Vin = 200Vac	1.4A
Vin = 500Vac	0.5A
Input DC rated current	
Vin = 250Vdc	1.4A
	U./A
Standby power	< 6W
Power Factor Correction	Active > 0.9
Inrush peak current	≤ 50A
Touch (leakage) current	≤ 0.3mA
Internal Protection fuse	None, external fuse must be provided
Recommended external protection	MCB 6A C or 4A D curve
Recommended external protection	It is strongly recommended to provide external surge arresters (SPD) according to local regulations.
GENERAL DATA	It is strongly recommended to provide external surge arresters (SPD) according to local regulations.
GENERAL DATA Efficiency	It is strongly recommended to provide external surge arresters (SPD) according to local regulations.
GENERAL DATA Efficiency Dissipated power	It is strongly recommended to provide external surge arresters (SPD) according to local regulations.
GENERAL DATA Efficiency Dissipated power Operating temperature ³	It is strongly recommended to provide external surge arresters (SPD) according to local regulations. > 87% < 28W - 40°C+ 70°C
GENERAL DATA Efficiency Dissipated power Operating temperature ³ Derating	It is strongly recommended to provide external surge arresters (SPD) according to local regulations.
GENERAL DATA Efficiency Dissipated power Operating temperature ³ Derating Storage temperature	It is strongly recommended to provide external surge arresters (SPD) according to local regulations.
GENERAL DATA Efficiency Dissipated power Operating temperature ³ Derating Storage temperature Humidity	It is strongly recommended to provide external surge arresters (SPD) according to local regulations.
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GENERAL DATA Efficiency Dissipated power Operating temperature³ Derating Storage temperature Humidity Life time expectation Overvoltage category Pollution degree Input / output isolation Input / ground isolation Output / ground isolation Output / ENABLE isolation Safety Standards EMC Emission EMC Immunity	It is strongly recommended to provide external surge arresters (SPD) according to local regulations. > 87% - 28W - 40°C+ 70°C - 42W/*C over 50°C (do not exceed Vout x tout = 100W Max. at 70°C) - 40°C+ 80°C - 4.2kVdc - 6.0500 (certified)
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Case material	Aluminum	
Weight	0.75kg	
Size (W x H x D)	80.0 x 120.0 x 100.0mm	
 Ripple and Noise are measured with 20MHz bandwidth, probe terminated with a 0.1μF MKP parallel capacitor. CB Scheme certified up to 528Vac. Start-up type tested: - 40°C, possible at nominal voltage with load deration. 		
Notes: - For more details, performance and descriptions regar - Technical parameters are typical, measured in laborat - Power rating, losses, efficiency, ripple, thermal behav - Data may change without prior notice in order to imp	ding all parameters not indicated in the above table, please refer to the instruction manual downloadable from www.nextys.com ory environment at 25°C and 400Vac / S0Hz, at nominal values, after minimum 5 minutes of operation. iour and start-up may change outside of the nominal rated input range. Contact factory for details. rove the product.	

DIMENSIONS



CONNECTION



Output Connection:

+ = Positive DC- = Negative DC