

CONFORMITY TO EN 50549-1 WITH SETUP Czech

Manufacturer Reference Number:		STD20220126V01	
Manufacturer Name:		Ningbo Sunways Technologies Co., Ltd.	
Manufacturer Address:		No.1, Second Road, Green Industrial Zone, Chongshou Town, 315334 Cixi, Ningbo, ZheJiang, PEOPLE' S REPUBLIC OF CHINA	
Tel	+86 400 9922 958	Web site	www.sunways-tech.com
Inverter Mode:		STH-4KTL-HT, STH-5KTL-HT, STH-6KTL-HT, STH-8KTL-HT, STH-10KTL-HT, STH-12KTL-HT	
Micro-generator Technology:		Hybrid Inverter	

Czech Republic settings as described in the table below:

Relay protection settings (found in inverter type test protocol)	Set Value	
	Time	Level
Over voltage (step 1)	230 V +10%	3s
Over voltage (step 2)	230 V +15%	1 s
Over voltage (step 3)	230 V +20%	0.1s
Under voltage	230 V -15%	1.5 s
Over frequency	52Hz	0.5 s
Under frequency	47.5Hz	0.5 s
critical value	> 50.2Hz	Power gradient, 40% Pn/ Hz.
automatic reconnection after tripping		with a ramp up curve of 10% Pn per minute

The inverters remain connected to the public electricity supply grid for:

hereby confirms that the following inverters fulfill EN 50549-1:2019:

Function P(U), Q(U) and P(f) according PPDS 2018 pr.c.4, section 9.3.3 and 9.4. and 9.3.1:

The inverters are able to follow the above-mentioned required functions. The default values are as written below. For activation or further information

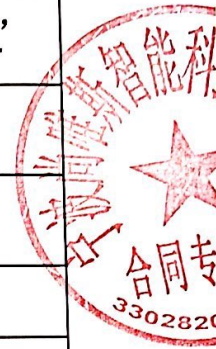
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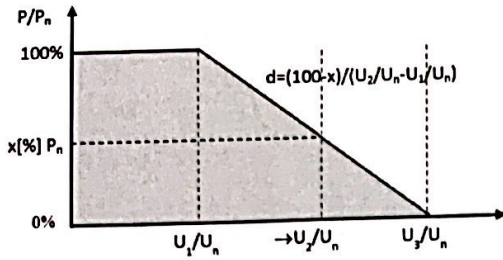
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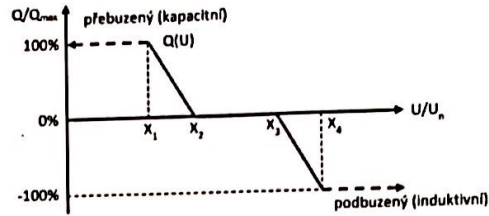


B.1 for P(U):



$U1/Un = 109\%$; $U2/Un = 110\%$;
 $U3/Un = 111\%$

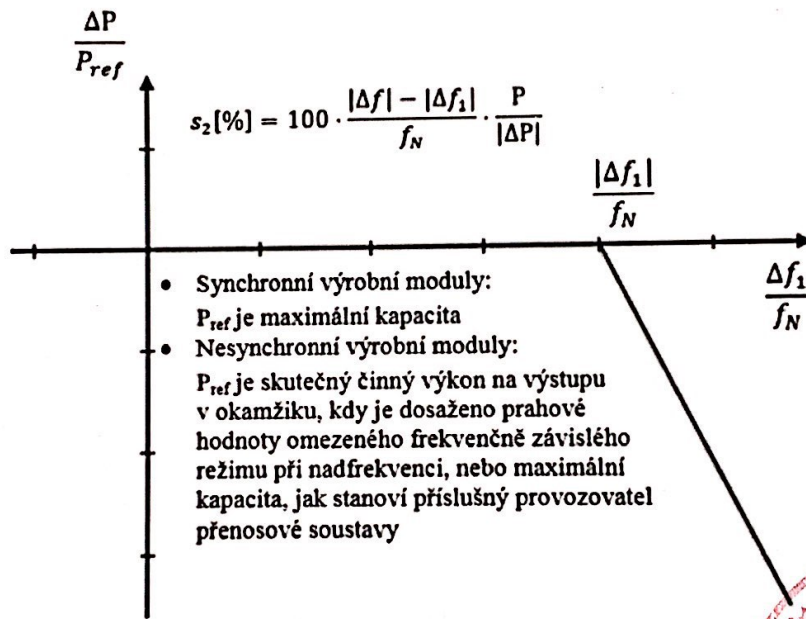
B.2 for Q(U):



$x1 = 0,94$; $x2 = 0,97$; $x3 = 1,05$; $x4 = 1,08$

Inverters are capable of activating active power response to overfrequency at a frequency threshold f_1 at least between and including 50,2 Hz and 52 Hz with a droop in a range of at least $s=2\%$ to $s=12\%$.

Default values for threshold f in CZ are 50,2 HZ and $s=5\%$



Signed

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On behalf of

Ningbo Sunways Technologies Co., Ltd.

