

Declaration of Czech according to EN 50549-1

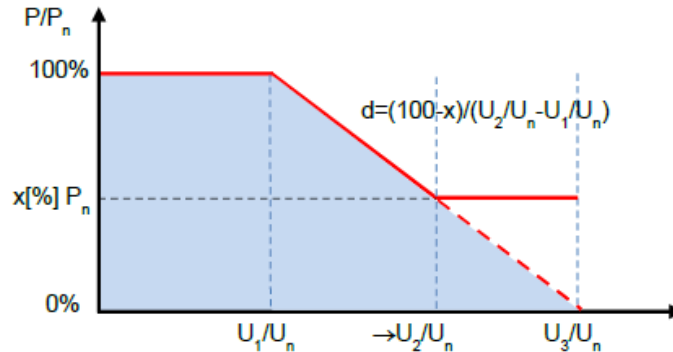
Model	GW5K-ET,GW6.5K-ET,GW8K-ET,GW10K-ET,GW5KN-ET,GW6.5KN-ET,GW8KN-ET,GW10KN-ET	
Type	Hybrid inverter	
Manufacturer	GoodWe Technologies Co., Ltd.	
Address	No.90 Zijin Rd., New District, Suzhou, 215011, P.R. China	
Tel	+86 512 6239 7998	
E-mail address	service@goodwe.com	
Reference standard	PPDS 2021 LV typeA1	
Czech Republic settings as described in the table below:		
Protection settings	Protection parameter	Unit
Gird Setting	Un, 50Hz	phase
Voltage protection		
Under voltage threshold	0.85Un	V
Under voltage operate time	1.5	s
Over voltage threshold stage 1	1.15Un	V
Over voltage operate time stage 1	1	s
Over voltage threshold stage 2	1.2Un	V
Over voltage operate time stage 2	0.1	s
Over voltage 10min mean threshold	1.1Un	V

Frequency protection			
Under frequency threshold	47.5	Hz	
Under frequency operate time	0.5	s	
Over frequency threshold	52	Hz	
Over frequency operate time	0.5	s	
Reconnection			
Lower frequency	47.5	Hz	
Upper frequency	50.05	Hz	
Lower voltage	0.85Un	V	
Upper voltage	1.1Un	V	
Observation time	≥ 300	s	
Active power increase gradient	$\leq 10\%$	Pn/min	
Startup			
Lower frequency threshold	49.5	Hz	
Upper frequency threshold	50.5	Hz	
Lower voltage threshold	0.9Un	V	
Upper voltage threshold	1.1Un	V	
Island protection	≤ 2	s	
LVRT Voltage-Time-Diagram	Time [s]	U [p.u.]	/
	0.0	0.05	/
	0.15	0.05	/
	3	0.85	/

Curve setting

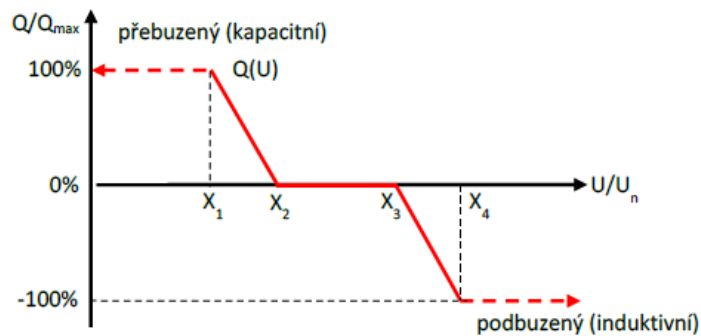
Function P(U) and Q(U) according PPDS 2021 pr.c.4, section 9.3.5 and 9.4.2 .The default values are as written below.

P(U)



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

Q(U)



$X_1 = 0.94$; $X_2 = 0.97$; $X_3 = 1.05$; $X_4 = 1.08$

The inverters are able to follow the above-mentioned required functions, and other default parameters are according to EN50549-1.

This declaration applies to all products from listed product series.

This declaration loses its validity if the device is modified or incorrectly connected.

This declaration certifies the compliance with the mentioned regulations but does not ensure the properties. The safety instructions in the product documentation provided must be observed!

Signed

Jiang Zao

Data

2023/02/09