

Declaration of Czech according to EN 50549-1

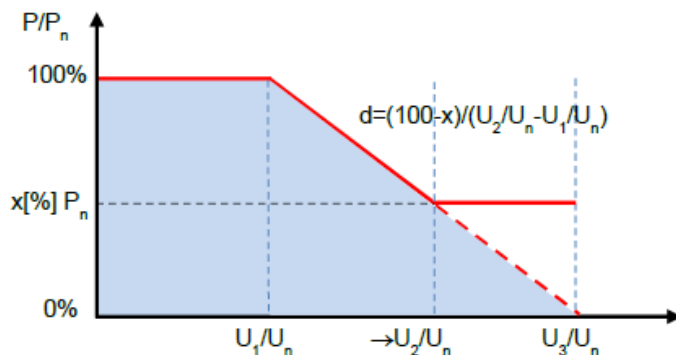
Model	GW15K-ET、GW20K-ET、GW25K-ET、GW29.9K-ET、GW30K-ET	
Type	Hybrid Inverter	
Manufacturer	GoodWe Technologies Co., Ltd.	
Address	No.90 Zijin Rd., New District, Suzhou, 215011, P.R. China	
Tel	+86 512 6239 7998	
E-mail address	service@goodwe.com	
Reference standard	PPDS 2022 Type A2/B1	
Czech Republic settings as described in the table below:		
Protection settings	Protection parameter	Unit
Gird Setting	230V, 50Hz	phase
Voltage protection		
Under voltage threshold stage 1	161	V
Under voltage operate time stage 1	0 ~2.7	s
Under voltage threshold stage 2	103.5	V
Under voltage operate time stage 2	≥0.15	s
Over voltage threshold stage 1	276	V
Over voltage operate time stage 1	5	s
Over voltage threshold stage 2	287.5	V
Over voltage operate time stage 2	0.1	s
Over voltage 10min mean threshold	264.5	V
Frequency protection		

Under frequency threshold	47.5				Hz
Under frequency operate time	≤0.1				s
Over frequency threshold	51.5				Hz
Over frequency operate time	≤0.1				s
Reconnection					
Lower frequency	47.5				Hz
Upper frequency	50.05				Hz
Lower voltage	195.5				V
Upper voltage	253				V
Observation time	≥ 300				s
Active power increase gradient	≤ 10 %				Pn/min
Startup					
Lower frequency threshold	49.5				Hz
Upper frequency threshold	50.5				Hz
Lower voltage threshold	207				V
Upper voltage threshold	253				V
Cos φ (U)	X1	X2	X3	X4	/
	94%	97%	105%	108%	U/U _n
	0.9	1	1	-0.9	PF
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

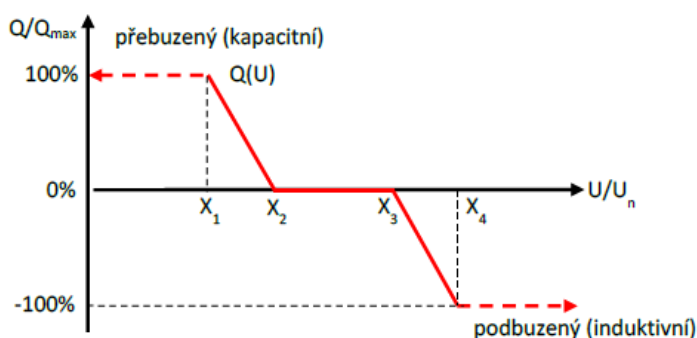
Function $P(U)$ and $Q(U)$ according PPDS 2022 pr.c.4, section 9.3.5 and 9.4.2 .The default values are as written below.

$P(U)$



$U_1/U_n = 109\%$; $U_2/U_n = 110\%$; $U_3/U_n = 111\%$;

$Q(U)$



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

The inverters are able to follow the above-mentioned required functions, and other default parameters are according to EN50549-1 for Type A2 and EN50549-1&2 for Type B1.

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 Lao

Data

2023/02/28