

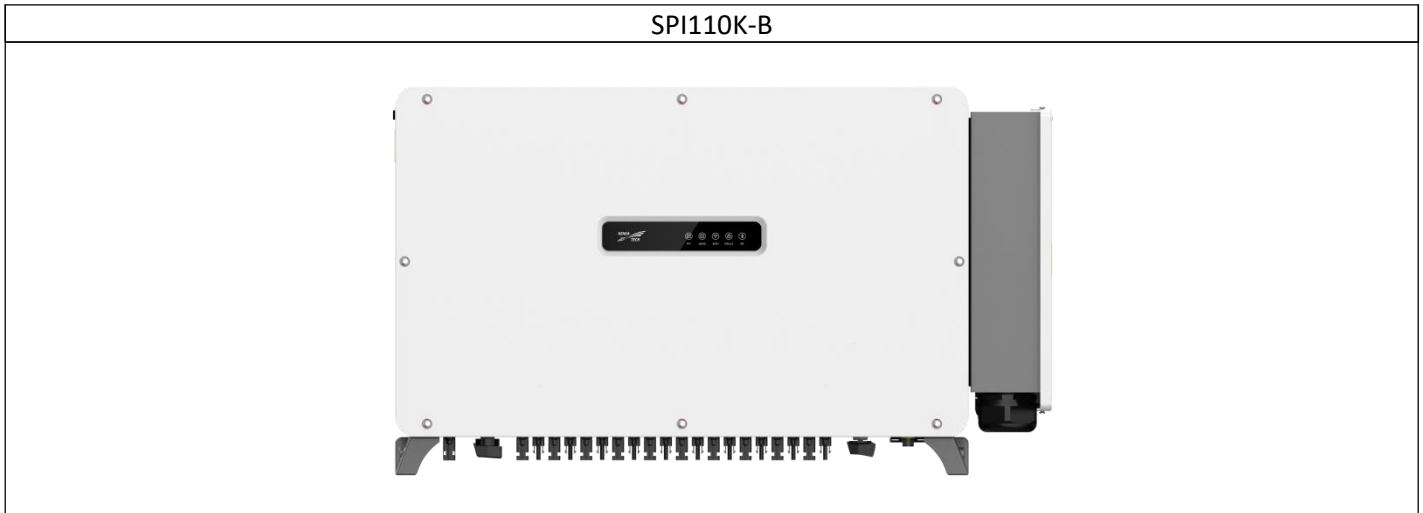
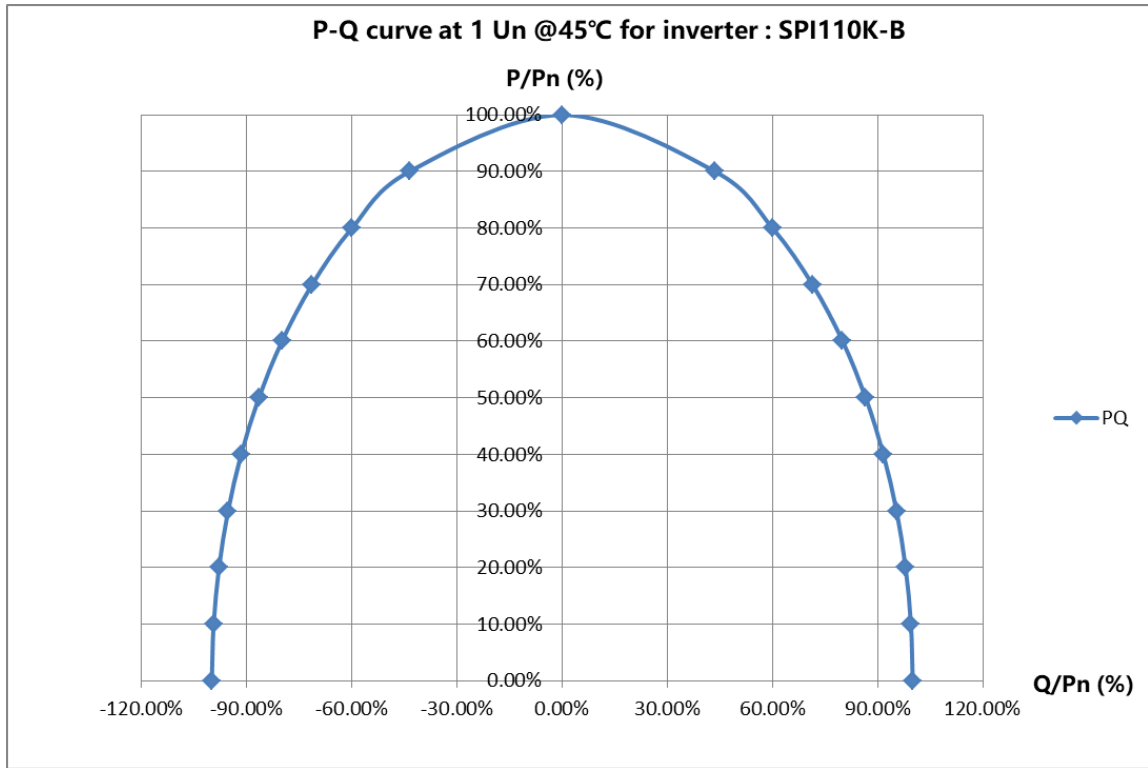
# **Compilation of Operating Regulations for MV connections of three-phase inverters SPI110K-B**

Brand	Xiamen Kehua Digital Energy Tech Co., Ltd.
Model	SPI110K-B
Serial number	Indicate the serial number of the inverter
Type	Static Converter
FW version	ARM_V1.01 DCAC_V1.02
N. Poles	3P
Rated Power Generation Unit (kW)	110
Nominal cosφ	> 0,99 adjustable
Nominal Voltage (V)	400
Short-Circuit Current (I <sub>cc</sub> ) (A)	216
Nominal Current (I <sub>n</sub> ) (A)	158.8
I <sub>cc</sub> /I <sub>n</sub>	1.36
X'd	N/A
No-load reactive power [Q <sub>0</sub> ]	N/A
Capacitor Power	N/A
Capacitor Insertion Mode	N/A
Start-up mode	Network automatic

The protections integrated in the inverter are regulated in a manner consistent with the external SPI (Interface Protection System) as stipulated in Annex Z, table 32, page 487 of CEI 0-16; 2019-04

Protection	Tripping threshold	Set threshold	Tripping time
59.S1	1,15 V <sub>n</sub>	460 V	> 0,5 s
59.S2	1,20 V <sub>n</sub>	480 V	> 0,1 s
27.S1	0,85 V <sub>n</sub>	340 V	> 1,5 s
27.S2	0,20 V <sub>n</sub>	80 V	> 0,5 s
81>.S1	51,5 Hz	51,5 Hz	> 1,0 s
81<.S1	47,5 Hz	47,5 Hz	> 4,0 s
81>.S2	52,5 Hz	52,5 Hz	> 0,1 s
81<.S2	46,5 Hz	46,5 Hz	> 0,1 s

### Curve P-Q capability





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