



SolaX Power Network Technology (Zhejiang) Co. , Ltd.

SolaX Utility Scale BESS Solution

ORI-PCS-215K P-Q Diagram

1 Introduction

This document describes the P-Q Diagram used for the ORI-PCS-215K.

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2 ORI-PCS-215K P-Q Diagram

ORI-PCS-215K can support the grid by supplying reactive power in different ways. The shaded area in the diagram below shows the converter's P-Q capability.

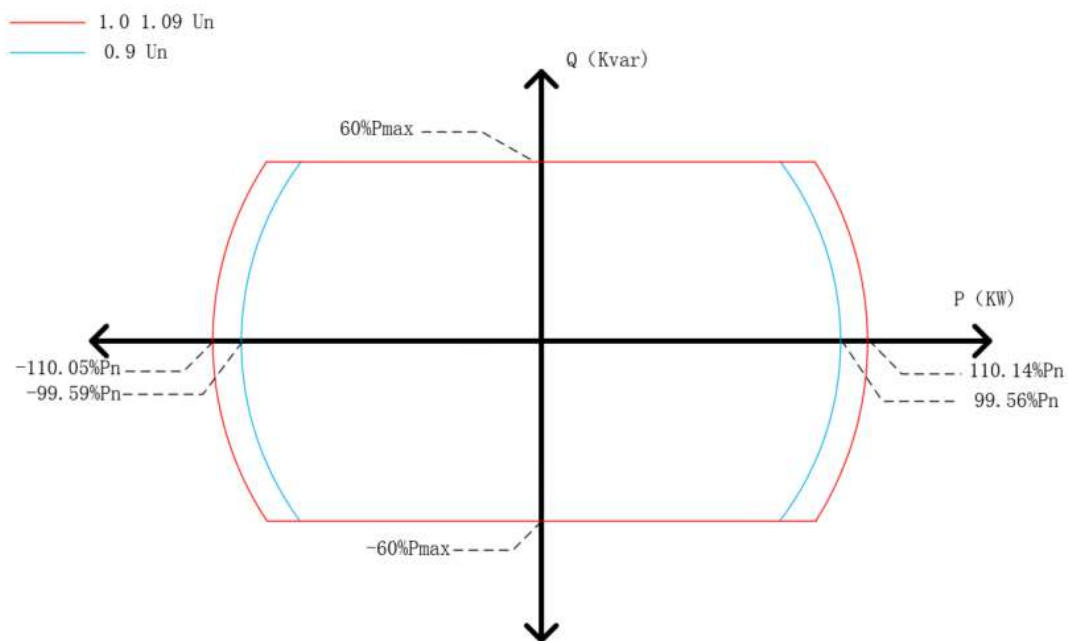


Fig-1P-Q diagram(35°C)

The rated power P_n for ORI-PCS-215K are 215kW

The range of power factor is -0.8 ~0.8.(Germany)

$V_{grid}=0.9V_n$; $P_{max}=99\%P_n$; $Q_{max}=66\%P_n$; $S_{max}=99\%P_n$.(Germany)

$V_{grid}= V_n$; $P_{max}=110\%P_n$; $Q_{max}=66\%P_n$; $S_{max}=110\%P_n$. (Germany)

$V_{grid}=1.09V_n$; $P_{max}=110\%P_n$; $Q_{max}=66\%P_n$; $S_{max}=110\%P_n$. (Germany)