

Characteristic Curve

For 3-Phase Grid-tied PV Inverter

Applicable to SCH350K-T-EU



Shanghai Chint Power System Co., Ltd.

History record:

Version	Reason for change	Instruction for change	person in charge	Time for change
V01	Preliminary version	/		
V02				
V03				

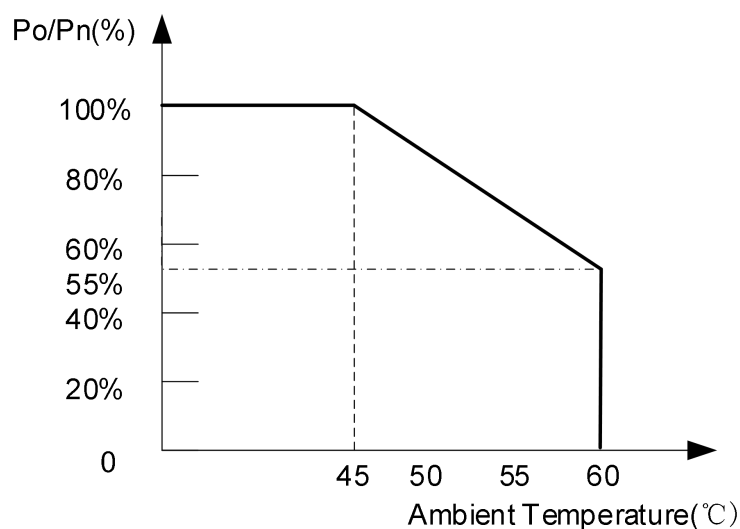
1. Scope

This document details characteristic curves of SCH350K-T-EU

2. Characteristic Curves

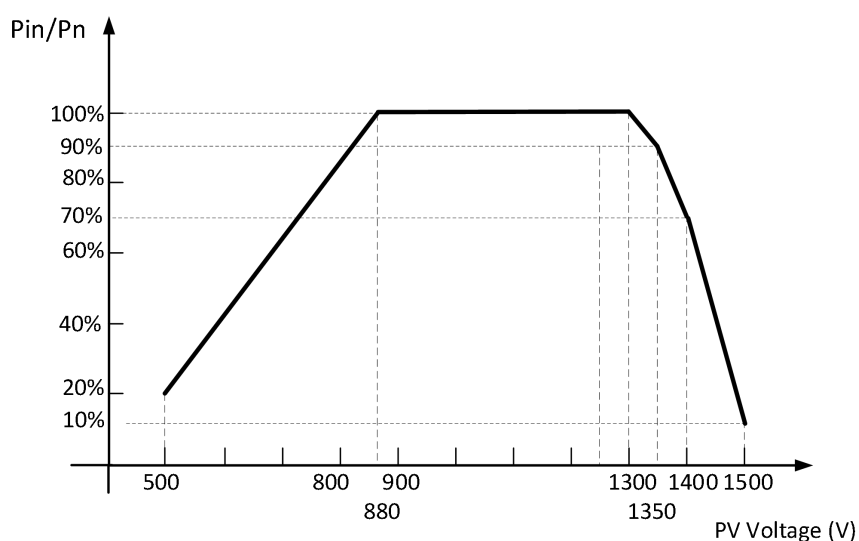
2.1 Temperature Dependency De-Rating

Inverter output power needs to be de-rated when installed at temperature 45 °C . De-rating needs to be performed according to the chart shown below:



2.2 DC Input Voltage De-Rating

Below and above this range there is a linear de-rating of the inverter output power. De-rating of the inverter is detailed in the chart below:

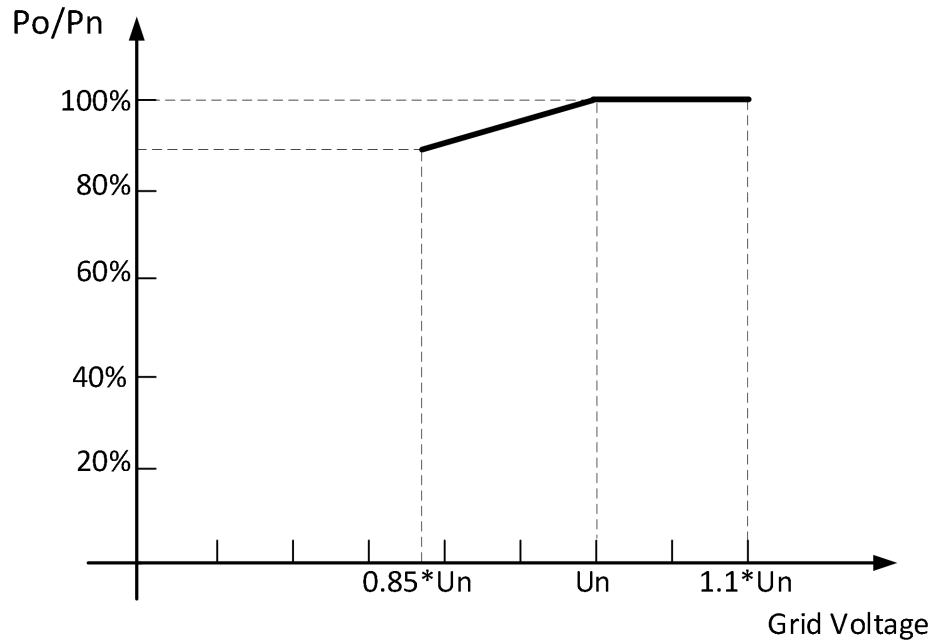


350KW DC voltage derate curve

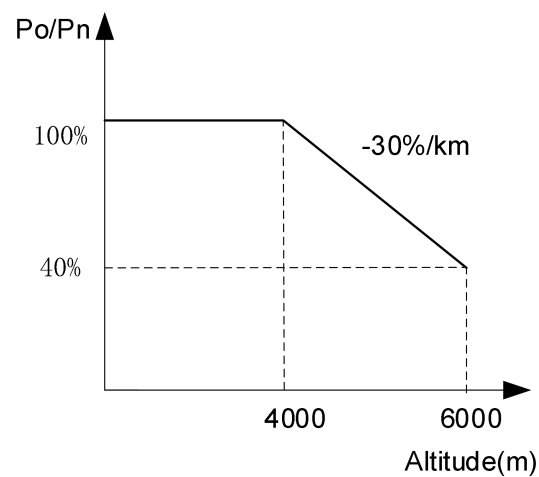
2.3 AC Output Voltage De-rating

Inverter AC output voltage operating range is $0.85U_n$ - $1.1U_n$ VAC (U_n : standard grid rated value) .

AC output voltage linear de-rating is shown in the chart below:

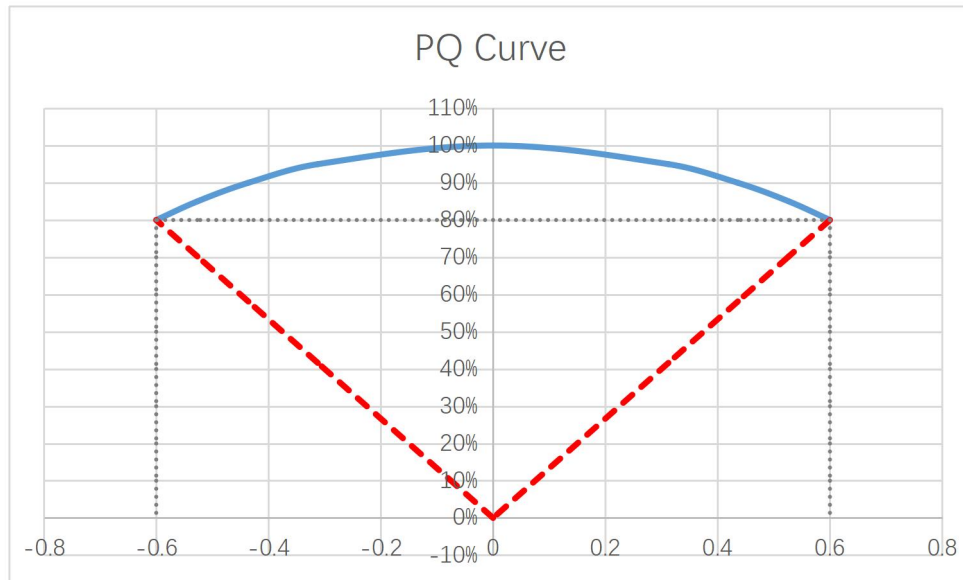


2.4 Altitude De-rating



2.5 P-Q Capabilities at Nominal Output Voltage

Chart below details inverter reactive power capabilities at various input voltages and various ambient temperature condition.



350kW PQ curve