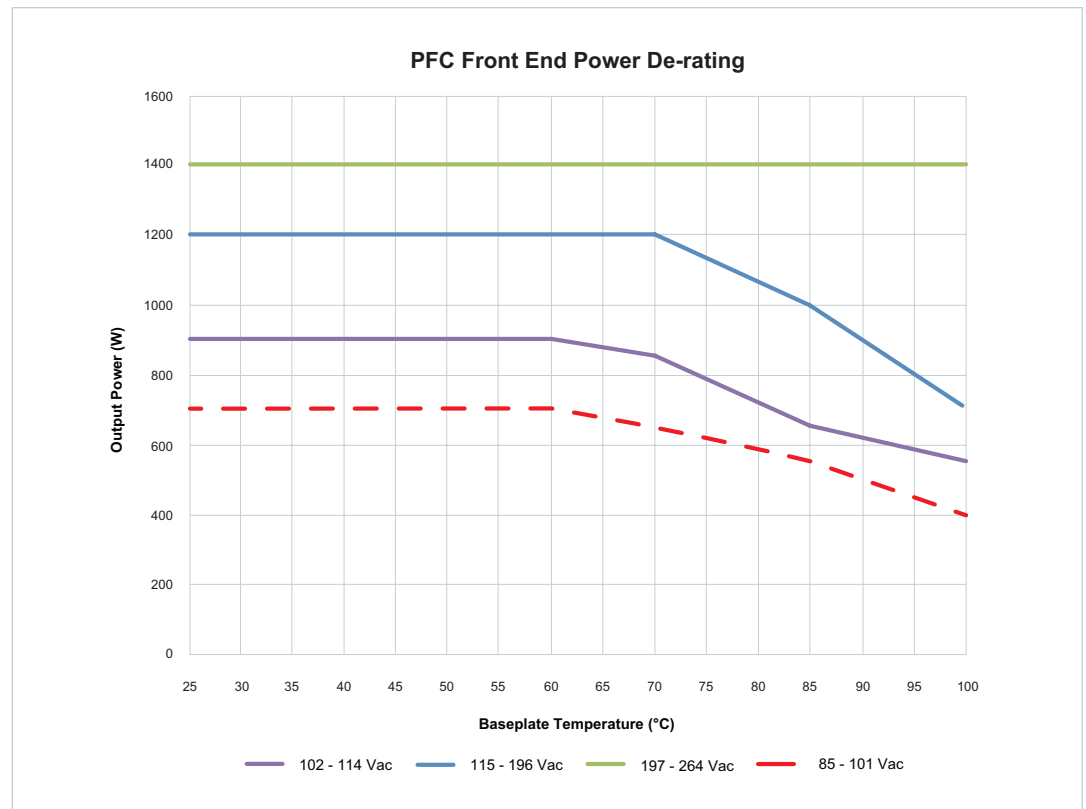


# Low input voltage for the Granite Power PFC Front End (GP-MPFC1H21)



The MIL-COTS PFC Front End can accept a wide 102-264 VAC input range, frequencies from 47 to 440 Hz, and deliver up to 1400 W of output power.

It has been determined that the product will operate to input voltages as low as 85 VAC\*, provided than an additional de-rating is applied. The figure below displays the required de-rating based on input voltage and baseplate temperature, including operation to 85 VAC and up to 100 °C. The PFC Front End will follow the de-rating below for all rated frequencies. The PFC Front End is safety agency certified (UL and TUV) for operation down to 85 VAC, provided that the de-rating outlined below is followed.



\*LONG-TERM LOW INPUT VOLTAGE TESTING HAS NOT BEEN PERFORMED ON THIS PRODUCT, SO IT IS RECOMMENDED THAT ANY INPUT VOLTAGES FROM 85 TO 101 VAC ARE OF A SHORT DURATION.