

I want to provide a 0/4-20mA powerfactor setpoint signal to easYgen-3000XT

Justin Schneider - 2026-07-27 - [easYgen-3000XT](#)

easYgens powerfactor angle is measured based on current L1 and between voltage L1/L2 lines

You need to enter percentage values for power factor / cosphi setpoints not absolute values.

For example, if you want to have a setpoint from 0,80 capacitive (Capacitive loads are leading (current leads voltage) to 0,20 inductive (inductive loads are lagging (current lags voltage)

you need to enter 40 for minimum and 90 for maximum value at the parameters for the used analog input.



Configuration of the AM on Setpoint page:

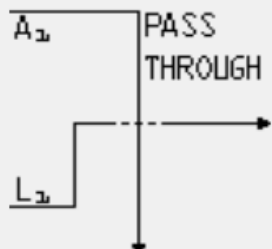
Configure PF/kvar control

PF/kvar setpoints::2

Analog manager

5638 AM PF/kvar SP1[-/kvar]
A1 06.01 Analog input 1

A2 10.01 ZERO
C1 0
L1 02.01 LM FALSE
L2 02.01 LM FALSE
Type Pass through



[Configuration Analog input](#)

Configure analog inputs

Analog input 1

1025 Description	Analog input PF setpoint		Wire break	
1000 Type	Linear		1003 Monitoring wire break	Off
Linear				
1001 User defined min display value	40.00			
1002 User defined max display value	90.00			
1039 Sender value at display min.	0.000		Display	
1040 Sender value at display max.	20.000		1034 Unit	PF Setpoint in %
1020 Sender type	0 - 20mA		3632 Bargraph minimum	40.00
			3633 Bargraph maximum	90.00

range 40(%) to 90(%)

-0.80 (leading/capacitive) to 0.20 (lagging/inductive)