ECE 525

POWER SYSTEM PROTECTION
AND RELAYING

SESSION no. 30
Inverted coupled generation
impact on overcurrent elements
& directional elements

→ Voltage source converters

synthesizer Ac
voltage/current waveform
- fast AC current regulation
- magnitude of current limited, often to 1.105 to 1.502 of In

- fast AC current regulation
- magnitude of current limited, often to 1.105 to 1.502 of In

PV converter is same as residential

- controls power factor of PV
- will maintain unit of PF

- In some cases, it becomes leading
(1) Actively regulate

(2) O to H

(3) No from converter

(4) Step up transformer

(5) Might have a Z

X > > > 0

University of Idaho