The Solar Design Company

The effect of 'maximum feed-in power clipping' or down-regulation by inverter/feed-in point in PV*SOL

Notes: 1) Clipping option is found in 'AC Mains' dialogue. 2) Feed-In means the same as export to the grid. 3) Down-regulation can occur for other reasons including high sizing factors without altering the clipping option 4) Clipping option is adjusted to % of PV Power. Lower % = strongest effect

Grid concept/ Option setting	On-screen Energy Flow Graph	On-screen Annual Energy Balances	On-screen Diagram Editor to hour/minute resolution	Report Summary	Spreadsheet
Full-feed-in & high sizing factor Option =No clipping	Down regulation at inverter = Value	Down-regulation on account of the max. AC Power/cos phi = Value	Down-regulation on account of the max. AC Power/cos phi = Values	Down regulation at feed-in point = 0	Down-regulation on account of the max. AC Power/cos phi = Values
With low consumption & high sizing factor Option =No clipping	Down regulation at inverter = Value	Down-regulation on account of the max. AC Power/cos phi = Value	Down-regulation on account of the max. AC Power/cos phi = Values	Down regulation at feed-in point = 0	Down-regulation on account of the max. AC Power/cos phi = Values
Full Feed-In & low sizing factor Option = Low % at inverter	Down regulation at inverter = Value	Down-regulation on account of the max. AC Power/cos phi = Value	Down-regulation on account of the max. AC Power/cos phi = Values	Down regulation at feed-in point = 0	Down-regulation on account of the max. AC Power/cos phi = Values
Full Feed-In & low sizing factor Option = Low % at grid-feed in point	Down regulation at inverter/feed-in point = 0	Down-regulation on account of the max. AC Power/cos phi = Value	Down-regulation on account of the max. AC Power/cos phi = Values	Down regulation at feed-in point = 0	Down-regulation on account of the max. AC Power/cos phi = Values
With low consumption & & low sizing factor Option = Low % at inverter	Down regulation at inverter = Value	Down-regulation on account of the max. AC Power/cos phi = Value	Down-regulation on account of the max. AC Power/cos phi = Values	Down regulation at feed-in point = 0	Down-regulation on account of the max. AC Power/cos phi = Values
With low consumption & & low sizing factor Option = Low % at grid-feed in point	Down regulation at feed-in point = Value	N/A	Maximum Feed-in Power Clipping = Values	Down regulation at feed-in point = Value	Maximum Feed-in Power Clipping = Values

 T: +44-1654-700-324 E: software@solardesign.co.uk W: www.solardesign.co.uk