Victorian Distribution Network Service Provider (DNSP) Basic Micro EG Connections Power Quality Response Mode settings

Victorian DNSPs are mandating power quality response mode capability, and associated settings for all micro EG connections from 1 December 2019. The settings are:

- Volt-var response mode (AS/NZS 4777.2 Table 11); and
- Volt-watt response mode (AS/NZS 4777.2 Table 10)

Settings for the power quality response modes are shown below

Table 1: Mandatory: volt-var response mode settings

Reference	Voltage in Volts	Var % Rated VA
V1	208	44% leading (exporting vars)
V2	220 (default)	0%
V3	241	0%
V4	253	44% lagging (sinking vars)

Table 2: Mandatory volt-watt response mode settings

Reference	Voltage in Volts	Power % rated Power
V1	207 (default)	100% (default)
V2	220 (default)	100% (default)
V3	253	100% (default)
V4	259	20% (default)

Table 3: Sustained operation for voltage variation

Reference	Voltage
V nom-max	258 volts

The applicant/electrical contractor/installer must ensure the Victorian power quality response modes have been set in the inverter(s) and must not be changed without written approval from the relevant DNSP. All other settings are as per the default settings in AS4777.2. These required settings must be validated and tested by the electrical contractor/ installer.