



Standards Required

INVERTER CATEGORIES - REQUIRED STANDARDS

	 Grid Connected Inverter An inverter with a grid-interactive connection port (see Note 1). For listing classification purposes, this includes inverters which have battery storage, but do not provide multiple-mode functions (see the "Multiple Mode Inverter" category). Micro inverters are also included in this category. See also Note 2 				Multiple Mode Inverter - An inverter that has grid interactive functionality when mains voltage is present and stand-alone functionality when mains supply is de- energised or disconnected. See also Note 2			Stand-Alone Inverter - An inverter intended to supply AC Power to a load that is not connected to the mains. A standalone inverter can provide energy via batteries and/or a renewable source such as PV. Stand-alone inverters may not have a grid interactive connection to the mains supply.		 Stand-Alone Inverter AC Generator Input A stand-alone inverter with an AC input port that can be directly connected to an independent AC energy source such as a diesel generating set. 		Stand-Alone Inverter AC Grid Input - A stand-alone inverter with an AC input port that can be directly connected to a grid			 Power Conversion Equipment (PCE) This listing category is for devices which are not inverters, but are connected between a PV array source and an application circuit. Examples include DC-to- DC converters, and charge controllers. See also Note 3.
Sub-Category >	PV Only	PV and Battery	Battery Only	Other Energy Source	PV and Battery	Battery Only	Other Energy Source	PV Only	Battery Only	PV Only	Battery Only	PV and Battery	Battery Only	Other Energy Source	
IEC 62109-1	~	✓	✓		✓	✓		✓	~	~	✓	✓	✓		✓
IEC 62109-2	~	✓	✓		~	✓		✓	✓	~	✓	~	✓		
AS/NZS 4777.2:2020	~	✓	✓	✓	~	✓	✓								
IEC 62477-1			✓	✓		✓	✓						✓	✓	
AS/NZS 4777.2:2020 APPENDIX M												✓	~	✓	

Note 1

An inverter is considered to have a grid interactive port when it has a port with any of the following functions:

- exporting energy to the grid
- supplying to the load in parallel to the grid
- synchronising to the grid
- supplying continuous power to the load in the event of loss of grid supply, with no break-before-make.

Note 2

Bi-Directional EV Chargers are considered a Battery energy source.

Unidirectional EV Chargers are considered a load and not an energy source.

Note 3

DC Conditioning units are not considered to be PCE (refer to AS/NZS 5033:2014, Clause 2.1.5). Hence DC conditioning units are outside the scope of the CEC approved product list (i.e. are not required to be listed).