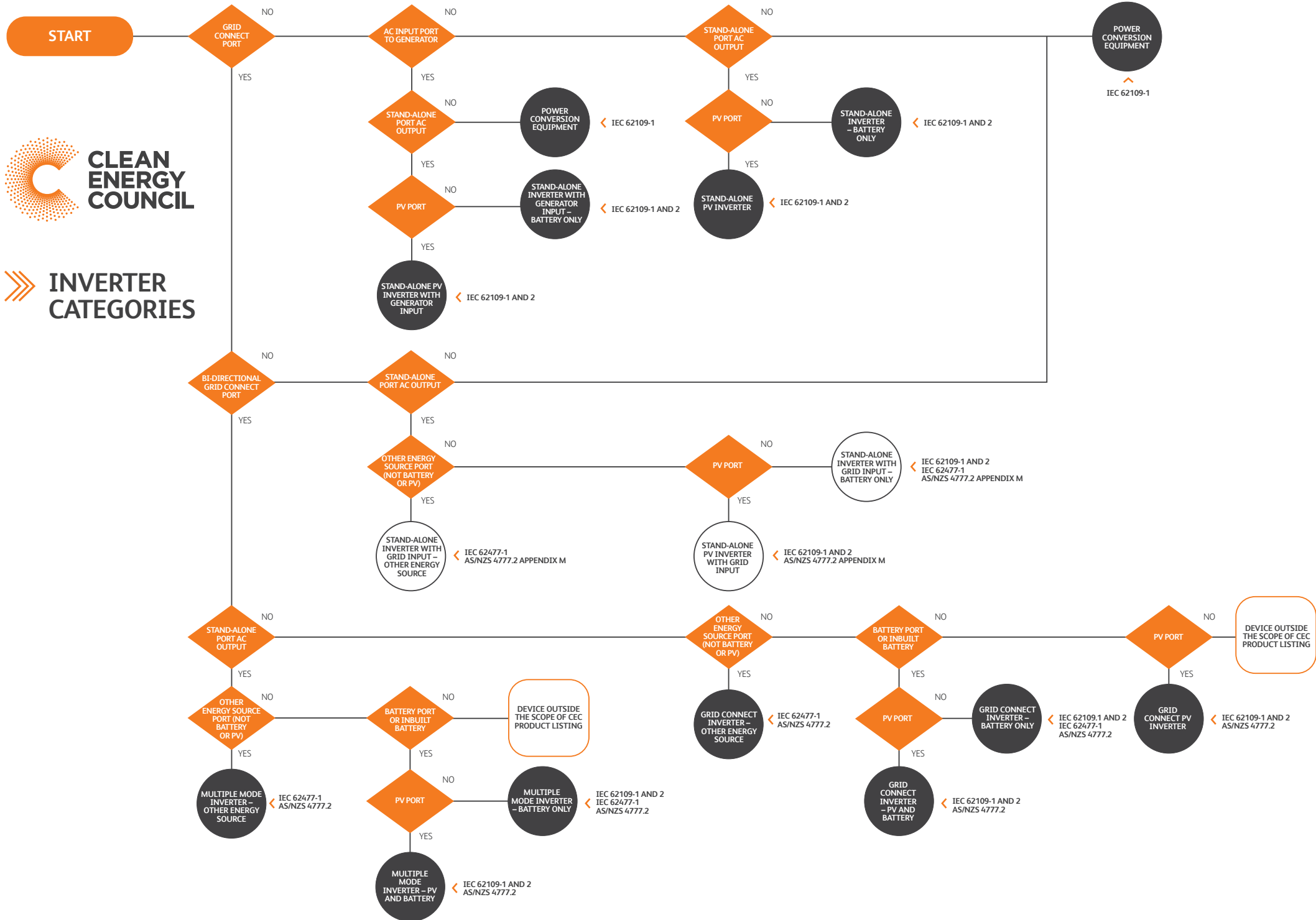


INVERTER CATEGORIES



INVERTER CATEGORIES - REQUIRED STANDARDS

Sub-Category >	Grid Connected Inverter				Multiple Mode Inverter			Stand-Alone Inverter		Stand-Alone Inverter AC Generator Input		Stand-Alone Inverter AC Grid Input			Power Conversion Equipment (PCE)
	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												✓	✓	✓	

Standards Required

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).