Standards for Grid-Connected Photovoltaic (PV) Arrays

Area		Title	Outline
Installation	AS/NZ 5033:2012	Installation and safety requirements for photovoltaic (PV) arrays	Sets out general installation and safety requirements for photovoltaic (PV) arrays, including DC array wiring, electrical protection devices, switching and earthing up to but not including energy storage devices, power conversion equipment or loads. The safety requirements of this Standard are critically dependent on the inverters associated with PV arrays complying with the requirements of IEC 62109-1 and IEC 62109-2 and all power conditioning equipment complying with IEC 62109 series standards. PV arrays of less than 240 W and less than 50 V open circuit voltage at Standard Test Condition (STC) are not covered by this Standard.
Installation	AS4777.1:2005	Grid connection of energy systems via inverters - Installation requirements	Specifies requirements for the installation of inverter energy systems with ratings up to 10 kVA for single-phase systems, or 30 kVA for three-phase systems, onto the low-voltage electricity distribution network (grid).
Inverter Req'ts	AS4777.2:2005	Grid connection of energy systems via inverters - Inverter requirements	Specifies requirements for inverters with ratings of up to 10 kVA for single-phase systems, or 30 kVA for three-phase systems, and intended for connection to the low-voltage electricity distribution network (grid).
Grid Protection Req'ts	AS4077.3:2005	Grid connection of energy systems via inverters - Grid protection requirements	Specifies grid protection requirements for inverter energy systems with ratings up to 10 kVA for single-phase, or 30 kVA for three-phase, systems and intended for connection to the low-voltage electricity distribution network (grid).
General Wiring Standards	AS/NZS3000:2007/Amdt 2:2012	Electrical installations	Known as the Australian/New Zealand Wiring Rules