

Technical Inverter Comparison



Brand	CEIL	Mecer		M Series	HYBRID	Victron
Description	Plug & Play 2,5kVA & 5kVA	Hybrid Solar Inverter 3kVA	Hybrid Solar Inverter 5kVA	M5000 (5kW)	5kW & 8kW	Hybrid Kits: 3kVA, 5kVA, 10kVA
Warranty	1 Year	2 Years	2 Years	1 Year	5 Years	5 Years can be upgraded to 10 years upon request
Sine Wave	Pure sine wave	Pure sine wave	Pure sine wave (Parallel operation up to 6 units)	Pure sine wave (Parallel operation up to 6 units)	Pure sine wave (Parallel operation up to 16 units for Single Phase or Three Phase)	Pure sine wave (Parallel operation up to 6 units)
Monitoring	No	YES (Optional)	YES (Optional)	YES (Optional)	Yes (remote configuration)	YES (Optional)
Compatibility	Compatible to AC mains	Compatible to AC mains and Battery	Compatible to AC mains and Battery	Compatible to AC mains and Battery	All-Grid: Generator, Wind, Battery, micro inverter & Utility	AC Mains, Generator & Battery
Battery Compatibility	Lead acid	Lead Acid and Lithium Ion	Lead Acid and Lithium Ion	Lead acid and Lithium Ion	Lead Acid, Lithium Ion or Super Capacitor	Lead acid and Lithium Ion
PV Solar Ready	No	Yes	Yes	Yes	Yes	No (external MPPT available)
Installation	No installation needed	AC utility, and battery power source to supply continuous power	AC utility, and battery power source to supply continuous power	AC utility, and battery power source to supply continuous power	During normal conditions the inverter can compensate essential and non-essential loads	During normal conditions the inverter can compensate essential and non-essential loads
Technical support	limited technical support	limited technical support	limited technical support	limited technical support	Technical local support	Technical local support supported
Phase/s	Single Phase	Single phase	Single phase	Single phase	Available in Single Phase or Three Phase	Single phase (parallel three phase)
RMS Rating	Not true RMS	Not true RMS	Not true RMS	Not true RMS	True RMS Output	True RMS Output
EV (Electric Vehicle) Charging	No EV Charging available	No EV Charging available	No EV Charging available	No EV Charging available	EV Charging available	No EV Charging available
Smart home compatability	Not smart home ready	Not smart home ready	Not smart home ready	Not smart home ready	Smart Home Ready	Not smart home ready
Wifi montoring	No wifi option	No wifi option	No wifi option	Wifi Ready optional	Wifi Ready optional	Wifi Ready optional
IP Rating	IP20	IP20	IP20	IP20	IP65	IP65
Protection	No	Yes	Yes	Yes	Yes	Yes
Solar Charger	No	Yes	Yes	Yes	Yes	No (extra)