

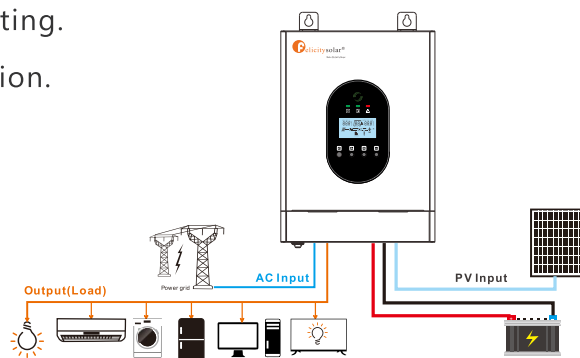
Solar Inverter

IVCM 1012/2024/3024



FEATURES

- Configurable input voltage range for home appliances and personal computers via LCD setting.
- Configurable battery charging current based on applications via LCD setting.
- APL mode Enable Turbo mode, three times the rated load can be used.
- Configurable AC/Solar Charger priority via LCD setting.
- Overload / Over temperature/ short circuit protection.
- Compatible to mains voltage or generator power.
- Built-in MPPT solar charge controller.
- Auto restart while AC is recovering.
- Pure sine wave inverter.
- Cold start function.



PRODUCT PARAMETERS

Model	IVCM1012	IVCM2024	IVCM3024
Line Mode Specifications			
Rated Output Power(VA/W)	1000VA/1000W	2000VA/2000W	3000VA/3000W
Instant Output Power(W)	2000VA	4000VA	6000VA
Nominal DC Input Voltage	12V	24V	24V
Input Voltage Wave form	Sinusoidal (utility or generator)		
Nominal Input Voltage	230Vac		
Low Line voltage Disconnect	170Vac±7V(UPS); 90Vac±7V(Appliances)		
Low Loss Voltage Re-connect	180Vac±7V(UPS); 100Vac±7V(Appliances)		
High Line Voltage Disconnect	280Vac±7V		
High Line Voltage Re-connect	270Vac±7V		
Max. AC Input Voltage	300Vac		
Nominal Input Frequency	50Hz/ 60Hz(Auto detection)		
Low Line Frequency Disconnect	40±1Hz		
Low Line Frequency Re-connect	42±1Hz		
High Line Frequency Disconnect	65±1Hz		
High Line Frequency Re-connect	63±1Hz		
Output Voltage Waveform	As same as input waveform		
Output Short Circuit Protection	Line mode: Circuit Breaker Battery mode: Electronic Circuits		
Efficiency(Line Mode)	>95% (Rated R load, battery full charged)		
Transfer Time (Single unit)	10ms typical(UPS); 20ms typical(Appliances)		
Max. Bypass Overload Current	10A	15A	30A
Max. Inverter/Rectifier Current	5A/1000W	10A/2000W	15A/3000W
Utility Charge Mode Specifications			
Nominal Input Voltage	230Vac		
Input Voltage Range	90-230Vac		
Nominal Output Voltage	Dependent on battery type		
Max. Charge Current	20A	20A	30A
Charge Current Regulation	10-20A (Adj 10A)	10-20A (Adj 10A)	20-30A (Adj 10A)
Over Charge Protection	Yes		
Solar Charging & Grid Charging			
Max. PV Open Circuit Voltage	95V	145V	145V
Operating Voltage Range	15-80V	30-125V	30-125V
Max.Input Power	900W	1800W	1800W
Max.Solar Charging Current	60A		
Max.Charging Current(PV+Grid)	80A	80A	90A
Max.Input Current	35A		
Inverter Mode Specifications			
Rated Output Power(VA)	1000VA/1000W	2000VA/2000W	3000VA/3000W
Instant Output Power	2000VA	4000VA	6000VA
Nominal DC Input Voltage	12V	24V	24V
Output Voltage Waveform	Pure sine wave		
Nominal Output Voltage	230Vac±5%		
Nominal Output Frequency(Hz)	50±0.3Hz/60Hz±0.3Hz(Adjustable)		
Peak Efficiency	93%		
Over-Load Protection (SMPS load)	5s@ ≥ 150% load; 10s @110% ~150% load		
Turbo Max Power	3000W	4000W	4500W
General Specifications			
Operating Temperature	-10℃~55℃		
Range Storage Temperature	-15℃~60℃		
Net Weight(KG)	5KG	6KG	7.6KG
Product Dimension(MM)	328*232*107MM	340*248*107MM	410*358*180MM
Package Dimension(MM)	422*314*182MM	422*330*181MM	422*370*198MM