

## Inverter Control Module

### Product Introduction

Experience optimal solar energy conversion with the Inverter Control Module. Ranging from 5KW to 12KW capacities, it operates at 48VDC with integrated WiFi/GPRS for easy monitoring. Achieving efficiencies over 85% and handling up to 36KW of PV power, this compact module ensures efficient and reliable energy transformation in temperatures from 0°C to 55°C.



### Performance Parameters

INVERTER CONTROL MODULE - PERFORMANCE PARAMETERS					
Model Code	CPIM05K-F2	CPIM06K-F2	CPIM08K-F2	CPIM10K-F2	CPIM12K-F2
Model Version	5 kW	6 kW	8 kW	10 kW	12 kW
Voltage	48VDC				
Communication	WiFi / GPRS				
Maximum AC Power	5 kW	6 kW	8 kW	10 kW	12 kW
Maximum PV Power	15 kW	18 kW	24 kW	30 kW	36 kW
Output Voltage (Range)	220V/230V/240VAC				
Output Frequency	50Hz/60Hz +/- 0.3Hz				
Efficiency	>85%		>88%		
Maximum Charging Current	80A		120A		
Maximum PV Power for Charging	5000W		7000W		
MPPT Voltage Range	>98%				
PV to Battery Conversion Efficiency	60~145Vdc				
Battery Voltage Range	220V/230V/240VAC				
MPPT Voltage Range	50Hz/60Hz				
Charging/Discharging Current (AC)	50A/130A	60A/140A	70A/180A	80A/180A	100A/180A
AC Output Surge Current	≤10ms				
Dimensions (WxHxD) in (mm)	21 1/4 x 14 1/8 x 11 (540x360x281)		25 1/2 x 15 x 8 7/8 (650x380x225)		
Weight lbs (kg)	90.2 (41)	99.0 (45)	140.8 (64)	145.2 (66)	165.0 (75)
Working Temperature	0°C to 55°C				