



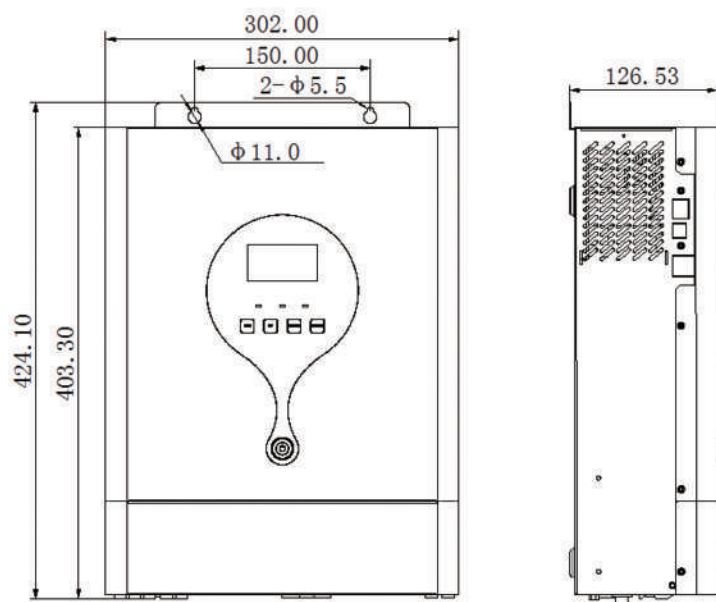
Helios III-243MCP
* 3D model available



Parameters

Model	Helios III-243	Helios III-485
Rated Power	3500W	5500W
Voltage	230VAC	
Selectable Voltage Range	170-280VAC (For Personal Computers); 90-280VAC (For Home Appliances)	
Frequency Range	50Hz/60Hz(Auto sensing)	
AC Voltage Regulation	230VAC±5%	
Surge Power	7000W	11000W
Efficiency (Peak)	Up to 93.5%	
Transfer Time	10ms (For Personal Computers); 20ms (For Home Appliances)	
Waveform	Pure sine wave	
Battery Voltage	24VDC	48VDC
Floating Charge Voltage	27VDC	54VDC
Overcharge protection	33VDC	63VDC
Maximum PV Array Open Circuit Voltage	500VDC	500VDC
Maximum PV Array Power	5500W	5500W
MPPT Range @ Operating Voltage	120-450VDC	120-450VDC
Maximum Solar Charge Current	100A	100A
Maximum AC Charge Current	80A	80A
Maximum Charge Current	100A	100A
Dimension (mm)	400*300*115	400*300*115
Net Weight (kgs)	8.5	9
Communication Interface	USB/RS232	
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	

Technical Drawing (mm)



- 3.5Kw/5.5Kw Design, 7Kw/11Kw Peak Power
- 10ms(For personal computers),20ms(for Home appliances)
- Support LifePO4, AGM and Gel battery system
- CAN or Modbus for BMS
- Support WIFI/4G to IOS or Android app
- Support without battery to running off grid solar system
- AC charging part adopts the latest bi-directional charging technology

Hybrid Power System

