



FlinQuantum MPPT Solar Inverter

Built-in Dust Filter | Wide DC Input Range | 5 Year Warranty



- ✦ Pure Sine Wave solar inverter with 93% peak efficiency
- ✦ Unique ventilation design with IP41 rating
- ✦ Connect up-to 9 inverters in parallel, power up-to 45kW of load & get 54kW of PV capacity
- ✦ Light weight with slim design
- ✦ Advanced monitoring software included
- ✦ Double Surge Power Capacity
- ✦ Auto restart function and cold start functions

Direct Power from Solar

FlinQuantum system allows you to power load directly from solar power during the day time keeping grid and/or battery power only for back-up.

Wide PV input & MPPT range

FlinQuantum solar inverter comes with high PV input capacity of 6000W. Wide MPPT range (120 ~ 450 VDC) of the built-in solar charge controller offers more flexibility to the users to use any size of solar panels and helps reducing installation costs.

Unique Ventilation Design

FlinQuantum is IP41 rated. Inverter's ventilation design protects inverter from solid bodies of thickness, 1mm and greater, eg. thin tools & fine wires from falling inside. It also provides protection against vertically falling drops of water or condensation.

Comprehensive Display

FlinQuantum is designed to offer great flexibility in user operation. Built-in LCD screen & menu buttons allow you to customize voltage range, charging priority and battery charging current. You can also view operating status and power information on the LCD screen.

5 Year Warranty Terms

Only Flin inverter model that comes with our 5 year warranty. For more details contact us.





Specifications of FlinQuantum MPPT Solar Inverter

MODEL	FlinQuantum MPPT 5kW-48V Solar Inverter
Rated Output Power	5000 VA / 5000 W
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computer); 90-280 VAC (For Home Appliances)
Frequency Range	60 Hz/50 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Battery Mode)	230 VAC \pm 5%
Surge Capacity	10000 VA for 10 seconds
Efficiency (Peak)	93%
Transfer Time	10 ms (For Personal Computers); 20 ms (For Appliances)
Waveform	Pure Sine Wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	63 VDC
SOLAR CHARGER	
Maximum PV Array Power	6000 W
Solar Charger Type	MPPT
MPPT Range	120 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	450 VDC
Maximum Solar Charge Current	80 A
Maximum AC Charge Current	80 A
PHYSICAL	
Dimension, D x W x H (mm)	125 x 378 x 516
Net Weight (kgs)	16
Communication Interface	USB / RS232
Parallel Functionality	Connect up-to 9 inverters in parallel
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10°C - 50°C
Storage Temperature	-15°C - 60°C

*Product specifications are subject to change without further notice