

## FlinDuplo 6kW-48V Solar Inverter

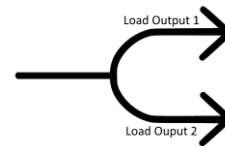
Dual Output for Load | Built-in Wi-Fi Monitoring | Detachable LCD Display



- ✦ Pure Sine Wave solar inverter with up-to 93% peak efficiency
- ✦ Setting Timer available for load priority and battery charging
- ✦ Inbuilt kWh Meter
- ✦ Built in Wi-Fi monitoring via mobile app
- ✦ Communication port for BMS - RS485
- ✦ Compatible with Lead Acid, Lithium-Ion and LiFePO4 Batteries
- ✦ Can be used without batteries
- ✦ Inbuilt Dry Contact port for generator connection

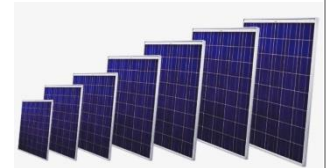
### Dual Output for Load

FlinDuplo comes with two outputs for load. The second output can be scheduled on/off. User can set cut-off voltage or SOC and discharging time via LCD setting. This makes it easy for user to smartly manage their loads.



### Wide MPPT range and Maximum PV Input Current

FlinDuplo comes with wide MPPT range (60 - 450 VDC) of the built-in solar charge controller offers more flexibility to the users to use any size of solar panels and helps reduce installation costs. It allows you to connect 6kW PV. FlinDuplo comes with maximum PV input current of 27A which matches the present trend of high imp in solar panels.



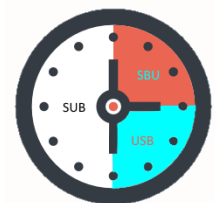
### Detachable LCD Screen & Comprehensive Display

FlinSlim MPPT Ultimate comes with option to detach the LCD screen from the inverter and install at another location. This helps in ease of viewing particularly if the inverter is installed in a corner of the house. The comprehensive user-friendly LCD display shows operating status and allows you to configure system as per your need. You can set/change battery charging current, AC/solar charger priority etc. from the LCD screen itself.



### Timer for Load Priority and Battery Charging

FlinDuplo gives you the option to select the mode you wish to run the loads and charge batteries during different times of the day. You get to select the specific hours when you wish the inverter to run in SUB and other modes to power your load or charge batteries and automatically the inverter will do that.



- ✦ Built in Battery Equalization feature
- ✦ Custom setting available for Lithium Ion/ LiFePo4 Batteries
- ✦ Detachable LCD Display



## Specifications of FlinDuplo 6kW-48V Solar Inverter

MODELS	6kW-48V
<b>RATED POWER</b>	6000 VA / 6000 W
<b>Parallel Capability</b>	No
<b>INPUT</b>	
<b>Voltage</b>	230 VAC
<b>Selectable Voltage Range</b>	170-280 VAC (For UPS Mode); 90-280 VAC (For Appliance Mode)
<b>Frequency Range</b>	50 Hz/60 Hz (Auto sensing)
<b>OUTPUT</b>	
<b>AC Voltage Regulation (Batt. Mode)</b>	230 VAC $\pm$ 5%
<b>Surge Power (for 5 seconds)</b>	12000 VA
<b>Efficiency (Peak)</b>	93%
<b>Transfer Time</b>	10 ms (For UPS Mode); 20 ms (For Appliance Mode)
<b>Waveform</b>	Pure Sine Wave
<b>No Load Power Consumption</b>	< 55 W
<b>BATTERY &amp; AC CHARGER</b>	
<b>Battery Voltage</b>	48 VDC
<b>Floating Charge Voltage</b>	54 VDC
<b>Overcharge Protection</b>	63 VDC
<b>Maximum Solar Charging Current</b>	120 A
<b>Maximum AC Charging Current</b>	100 A
<b>SOLAR CHARGE CONTROLLER</b>	
<b>Solar Charger Type</b>	MPPT
<b>Maximum PV Array Power</b>	6000 W
<b>Maximum PV Input Current</b>	27A
<b>MPPT Voltage Range</b>	60 ~ 450 VDC
<b>Maximum PV Open Circuit Voltage</b>	500 VDC
<b>PHYSICAL (9mm)</b>	
<b>Dimension</b>	115 x 300 x 435 mm (D x W x H)
<b>Net Weight</b>	10 kgs
<b>OPERATING ENVIRONMENT</b>	
<b>Humidity</b>	5% to 95% Relative Humidity (Non-condensing)
<b>Operating Temperature</b>	-10°C - 50°C
<b>Storage Temperature</b>	-15°C - 60°C
*Product specifications are subject to change without further notice.	