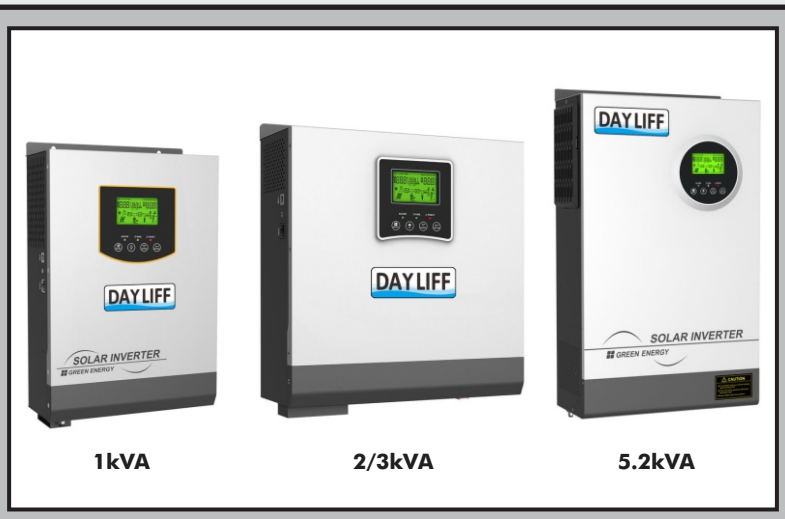
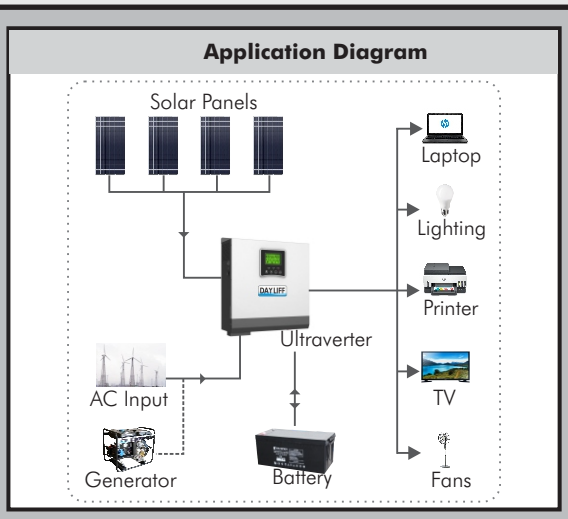
NEW PRODUCT

DAYLIFF

ULTRAVERTER

Multifunction Inverter





The Dayliff DUV Ultraverter High Frequency inverter range are versatile high specification multifunction inverters designed for various applications including:-

- Grid Tie combining mains AC and PV module DC input power sources programmable to prioritise PV supply with mains power used to supplement load requirements upto rated inverter power output.
- Off-Grid for stand-alone PV solar powered systems to provide AC power for various load requirements with battery back up for non PV availability.
- Power backup systems for on-grid mains failure battery feed loads.

The inverters include the following features:-

- Pure sine wave output that provides filtered power for use with sensitive electronic devices.
- LCD display for operating parameters and user configurable settings including battery charging current, AC/Solar output priority and input voltages.
- Built-in smart battery charger with automatic switching between AC and Solar power sources for optimised battery performance.
- Built-in MPPT solar charger
- Overload short-circuit protection and deep discharge protection
- Programmable supply prioritisation for PV, battery or grid supply
- Optional WIFI/GPRS for Monitoring software for real time status display and control
- Parallel operation for scalability available on 5200W model only, up to 3 units
- Compatible with lead acid and lithium battery
- 1/2 & 3kva inverters require battery to operate but DUV-5248P Model can provide power to the load without battery

TECHNICAL SPECIFICATIONS

MODEL	DAYLIFF SOLAR PV MULTIFUNCTION INVERTERS			
	DUV-1012	DUV-2024	DUV-3024	DUV-5248P
Rated Output Power, VA/W	1,000VA/1000W	2,000VA/2000W	3,000VA/3000W	5,200VA/5,200W
Input AC Voltage, VAC	240			
Maximum PV Input Power, W	720	1500		5,000
Maximum PV Array Open Circuit Voltage, VDC	105	145		450
PV Array MPPT Voltage Range, VDC	15-105	30-120		150-430
Nominal Output Voltage, VAC	240VAC +-5%			
Maximum Solar Charging Current, A	60		80	
Maximum AC Charging Current, A	20	30		80
Nominal Battery Voltage, VDC	12	24		48
Max. Peak Efficiency, %	98%			90%
Parallel Capability	None			Yes, 3 units
Dimension (DxWxH)mm	224x337x98	290x342x125		309x505x147
Weight, Kgs	6	8		14