



ULTRAVERTER

Multifunction Single Phase Inverter

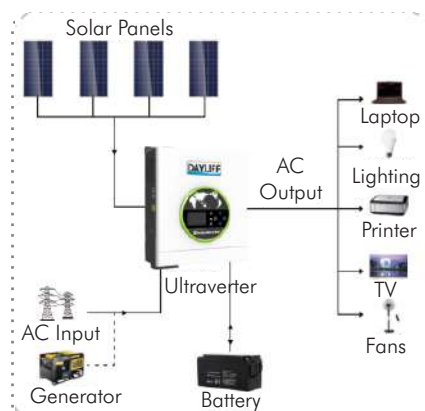


1-3kVA



5.2 - 10kVA

Application Diagram



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, 8000W and 10000W models only, up to 3 units
- Dual power output for smart load management on 8000W and 10000W eliminating the need for load separation on the distribution board.
- Compatible with lead acid and lithium battery
- Inverters require battery to operate

TECHNICAL SPECIFICATIONS

MODEL	DAYLIFF SOLAR PV MULTIFUNCTION INVERTERS					
	DUV-1012	DUV-2024	DUV-3024	DUV-5248P	DUV-8048D	DUV-10048D
Rated Output Power, VA/W	1000W	2000W	3000W	5200W	8000W	10000W
Input AC Voltage, VAC	1x240					
Maximum PV Input Power, W	720	1500		5000	4000x2	5000x2
Maximum PV Input Current, A	20			18	40	
Maximum PV Array Open Circuit Voltage, VDC	105	145		450		
PV Array MPPT Voltage Range, VDC	15-80	30-120		150-430	90-430	
Nominal Output Voltage, VAC	240VAC +-5%					
Maximum Solar Charging Current, A	60		80		120	150
Maximum AC Charging Current, A	20	30		80	120	150
Nominal Battery Voltage, VDC	12	24		48		
Max. Peak Efficiency, %	98			90	92	
Parallel Capability	None			Yes, up to 3 units		
Dimension (DxWxH)mm	224x337x98	290x342x125		309x505x147	425x527x145	
Weight, Kgs	6	8		14	17.4	