



OPTIVERTER

Multifunction Inverter



The Dayliff Optiverter AD/DC inverter range are versatile high specification multifunction hybrid 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.
- Off-Grid for stand-alone PV solar powered systems to provide AC power for various load requirements with battery backup for non PV availability
- Power backup systems for on-grid mains failure battery fed loads

Dayliff Optiverter include the following features:-

- Pure sine wave output that provides filtered power suitable for 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 MPPT charge controllers with automatic switching between AC and Solar power sources for optimised battery performance.
- Overload and short-circuit protection.
- Programmable supply prioritisation for PV, battery or grid supply
- Optional monitoring software for real time status display and control
- Compatible with Lithium Iron Phosphate batteries Optiverter > DO3000
- Parallel operation for larger system installations Optiverter > DO6000

The combination of selectable hybrid operation options, exceptional specifications, robust construction with various protective functions and excellent value make Dayliff Optiverter the ideal solution for all PV and power back up management applications.

TECHNICAL SPECIFICATIONS

Model	Optiverter DO1200	Optiverter DO2500	Optiverter DO3000	Optiverter DO4000	Optiverter DO6000	Optiverter DO8000	Optiverter DO11000	Optiverter DO20000	Optiverter DO30000
Rated Output Power	1200W	2500W	3000W	3500W	5500W	8000W	11000W	20000W	30000W
Input AC Voltage	230VAC							170-280VAC Per Phase	
Maximum PV Input Power	2000W		4000W	5000W	6000W	8000W	11000W	30000W	45000W
Maximum PV Array Open Circuit Voltage	400VDC		500VDC					900VDC	
PV Array MPPT Voltage Range	120-380VDC		120-450 VDC	60-450 VDC	90-430VDC		90-450VDC	400-800VDC	
Nominal Output Voltage	230VAC +5%							230VAC* (P/N) / 400VAC (P-P)	
Number of MPPT Trackers/Maximum Solar Charging Current	1/60A		1/80A	1/100A	1/120A		1/50A	1/48A	1/72A
Maximum AC Charging Current	40A		60A	120A			150A	29A Per Phase	44A Per Phase
Maximum Charging Current	60A		80A	120A			150A	50A	80A
Nominal Battery Voltage	12VDC	24VDC			48VDC			384VDC	
Peak Efficiency	93%							95%	
Parallel Capability	None					Yes			
Dimensions (DxWxH)	90x288x368mm		115x300x400mm	115x300x485mm		148x432x554mm		599x320x909mm	715x430x1021mm
Net Weight	6.5kg		9kg		10kg	18kg		120kg	223kg