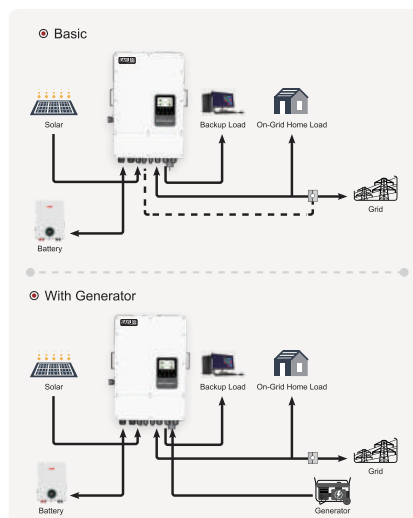




ULTRAVERTER

On/Off Grid Hybrid Three Phase Inverter



The Ultraverter On/Off Grid Hybrid Three Phase Inverter is a cutting-edge hybrid solution engineered for both on-grid and off-grid solar applications. Operating on a safe low-voltage 48V battery system, it combines safety, reliability, and high performance in a compact design with superior power density. Its support for a solar PV/Inverter 1.3 DC/AC ratio offers greater system flexibility while optimizing investment.

Designed for versatility, the Ultraverter enables unbalanced three-phase output and is ideal for residential, commercial, and industrial installations. It features multiple communication ports—including dual CAN ports for BMS and parallel connections, RS485 for BMS, RS232 for remote control, and a DRM port—ensuring seamless system integration and intelligent control. Key Features:

- True 3-Phase Flexibility: 100% unbalanced output with each phase delivering up to 50% of rated power
- Scalable Design: Parallel connection up to 6 units for both on-grid and off-grid operation
- AC Coupling Ready: Ideal for retrofitting into existing solar power systems
- Battery Flexibility: Supports multiple battery units in parallel
- High Power Handling: Charging/discharging Diesel Generator Integration and supports energy storage from genset sources
- Safety First: 48V low voltage battery system with transformer isolation for enhanced protection
- All-Weather Ready: IP66-rated for full water and dust resistance
- Smart Energy Scheduling: "Time of Use" function with up to 6 programmable time segments
- Remote Monitoring: Built-in Wi-Fi for real-time monitoring and control

Technical Specifications

MODEL	DAYLIFE ON/OFF GRID HYBRID SOLAR INVERTERS		
	DUV-8048T	DUV-12048T	DUV-15048T
Rated Output Power, W	8000W	12000W	15000W
Input AC Voltage, VAC	3x415		
Maximum PV Input Power, W	10400	15600	19500
Rated PV Input Voltage, V	550		370
Start Up Voltage, V	125		160
Minimum Voltage for Grid Connect, V	310		200
Maximum PV Input Current, A	15	30	32
Number of MPP Trackers	2		3
Maximum PV Array Open Circuit Voltage, VDC	800		
PV Array MPPT Voltage Range, VDC	200-650		150-800
Nominal Output Voltage, VAC	3x415		
Maximum AC Output Current, A	17.4	26.1	32.5
Maximum Charging/Discharging Current, A	190	240	300
Nominal Battery Voltage, VDC	48		
Maximum Peak Efficiency, %	97.6		
Parallel Capability	Yes, up to 6 units		
Dimensions (DxWxH)m	446x656x285		446x692x260
Weight, Kgs	35		38