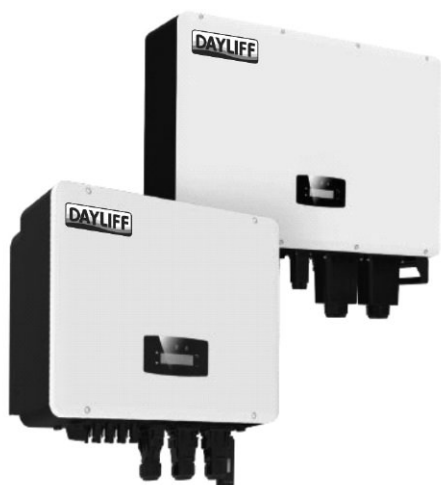




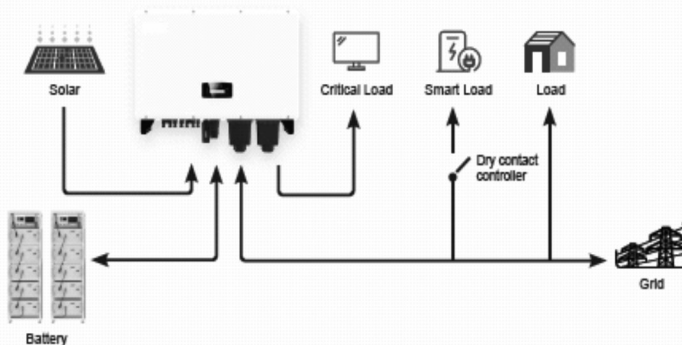
ULTRAVERTER HV

High Voltage Hybrid Storage Inverter



Solar system connection

Optimizing Self-Consumption (on-grid)



Dayliff Ultraverter HV Hybrid Storage Three Phase Inverter is a high specification hybrid solution engineered for both on-grid and off-grid solar applications. The storage inverters are designed to increase energy independence for homeowners and commercial and industrial users. Designed for versatility, the power range is from 20kW to 50kW, compatible with high voltage (150-800V) batteries. Energy management is based on time-of-use and demand charge rate structures, significantly reducing the amount of energy consumption from the public grid. Also included is a UPS function (switch time < 10ms), that powers the crucial loads during outages. Additionally, under the backup operation mode, the inverter provides up to 150% peak output overloading. Particular Benefits Include:

- Support high voltage (150-800V) batteries
- Support 100% Unbalance Load
- 1.5 Times PV Module Oversize
- String current up to 40A
- Switch time < 10ms
- Support Generator Input
- Support for Time-of-use Optimization
- Configurable Operation Modes
- Arc Fault Circuit Interrupter (AFCI) (Optional) & Rapid Shutdown Ready
- 2 times AC Oversize (50kw).
- Build in Anti-feed-in Function
- Smart Monitoring & Remote Firmware Upgrade

TECHNICAL DATA

MODEL	DAYLIFF THREE PHASE HIGH VOLTAGE HYBRID STORAGE INVERTER		
	DUV-200HVT	DUV-300HVT	DUV-500HVT
Rated Output Power, W	20,000	30,000	50,000
Input/Output AC Voltage, VAC	3x415		
Maximum PV Input Power, W	30,000	45,000	75,000
Rated PV Input Voltage, V	620		
Start Up Voltage, V	160		
Minimum Voltage for Grid Connect, V	310		
Maximum PV Input Current, A	32x2	40x2	40x4
No. MPPT Trackers/Strings	2/4		4/8
Maximum PV Array Open circuit Voltage, VDC	1,000		
PV Array MPPT Voltage Range, VDC	150-850		
Maximum AC Output Current AC Grid, A	32	48	83.38
Maximum AC Output Current Backup, A	29	43.5	77.5
Maximum Charging/Discharge Power, A	50	60	120
Nominal Battery Voltage (VDC)	150-800		
Maximum Peak Efficiency (%)	97.8	98.1	98.3
Dimensions, (DxWxH)mm	558x535x260		979x610x310
Weight, kg	29	36	70