

NUOVOLT

FUTURE OF INTELLIGENT POWER

1.5K 12V / 3.5K 24V

6.2K 48V TWIN / 6.2K 48V Hybrid

11K 48V TWIN



HV MPPT



LFP compatible



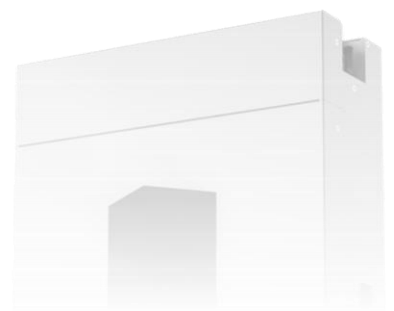
Dynamic cut-off



Online monitoring



DG support



PRODUCT FEATURES:

- ✓ Pure sine wave
- ✓ Power factor 1.0
- ✓ Built-in MPPT Voltage up to 500Vdc
- ✓ Lithium Battery Activation
- ✓ Compatible work with LFP Battery via RS485
- ✓ Detachable dust cover for harsh environment
- ✓ Support multiple output priority: UTL,SOL,SBU,SUB
- ✓ EQ function to optimize battery performance and extend lifecycle

Model	1.5K 12V	3.5K 24V	6.2K 48V TWIN	6.2K 48V Hybrid	11K 48V TWIN
BASIC PARAMETERS					
Nominal power	1500VA/ 1500W	3500VA/ 3500W	6200VA/ 6200W	6200 VA/ 6200 W	11000VA/ 11000W
Nominal voltage	12 V	24 V	48 V		
PV PARAMETERS					
Solar controller	MPPT				
Number of MPPT controllers	1				2
Max. charge current	100 A	100 A	120 A	120 A	160 A
Max. PV input power	2000 W	4000 W	6500 W	6500 W	11000 W
Max. PV input voltage	500 V				
MPPT voltage range	30-500 V	30-500 V	60-500 V	60-500 V	60-500 V
Max input current per PV controller	15 A	15 A	27 A	27 A	18 A * 2
AC PARAMETERS					
Max output power	3 kW	7 kW	12,4 kW	12,4 kW	22 kW
Max AC charge current	60 A	60 A	80 A	80 A	160 A
Rated output voltage	230 VAC ± 5%				
Output waveform	Pure Sine Wave				
Rated grid frequency	50/60 Hz (Auto sensing)				
Number of phases, pcs	1				
OTHER PARAMETERS					
Parallel Capability	NO			UP TO 12	UP TO 6
Export power operation	NO			YES	NO
Max Efficiency	93%	93%	94%	94%	96%
Output over current protection	Electronic circuit				
Short circuit protection					
Temperature protection					
Dimensions	358 x 295 x 105	358 x 295 x 100	438 x 295 x 105	450 x 300 x 130	540 x 415 x 122
Weight	6 kg	6 kg	9 kg	12 kg	15,5 kg
Topology	Transformless				
Operating ambient temperature range,	From -10°C to 50°C				
Relative humidity	5% to 95% Relative Humidity (Non-condensing)				
Dry contact	NO			YES	
Ingress protection	IP21				
Cooling concept	Fan				
Special Features	Li activation function		Twin AC output	CT for zero export included	Twin AC output, colored LCD