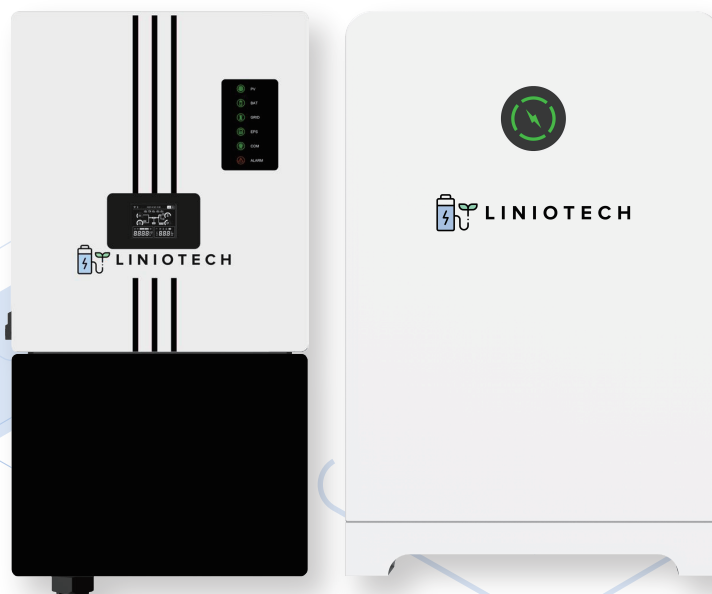


SPLIT PHASE HYBRID INVERTER

LNT10k0228UL

Application: Residential Use



HIGHLY FLEXIBLE

- 3 MPPTs: Integrated 3 MPPTs for multiple array orientations
- 200A Bypass current for whole-home back up
- Stackable up to 9 units
- AC Coupling functions with existing system - compatible with SolarEdge and Enphase Micro Inverter



INTELLIGENT FUNCTION

- Support generator/smart load/AC coupling function
- Intelligent management app and portal
- Four application modes, mixed with time control



SAFE & RELIABLE

- Built-in battery and load breaker for safety and reliability
- Integrated arc fault circuit interrupter (AFCI) and rapid shutdown
- Seamless transition to backup mode, for protection against power outages

Model		LNT10k0228UL		
Efficiency				
CEC Efficiency		96.50%		
Input (PV)				
Max. PV Input Power	15,000W			
Max. PV Voltage	600V			
Start-up Voltage	90V			
MPPT Operating Voltage Range	70V-540V			
Max. Input Current per MPPT	30A/22A/22A			
Max Short Current per MPPT	40A/30A/30A			
No. of PV Strings per MPPT	2/2/2			
No. of MPPT	3			
Input/Output (BAT)				
Battery Type	Lithium-ion/Lead-acid			
Battery Voltage Range	40V-64V			
Max. Charge/Discharge Current	210A/210A			
Max. Charge/Discharge power	10,000W/10,000W			
Output (Grid)				
Nominal AC Output Power	10,000W			
Max. AC Output Apparent Power	11,400VA			
Nominal AC Output Current	41.7A			
Max. AC Output Current	47.5A			
Max. Grid Passthrough Current	70A	70A	200A	
Nominal Grid Voltage	120/240V (Split phase) , 120/208V (2/3 phase)			
Nominal Grid Frequency	50Hz/60Hz			
Grid Frequency Range	45Hz-55Hz/55Hz-65Hz (Adjustable)			
Power Factor	> 0.99 @rated power (Adjustable 0.8 LG - 0.8 LD)			
THDI	<3% (Rated Power)			
Output (Back up)				
Nominal Output Power	10,000W			
Max. AC Output Apparent power	11,400VA			
Nominal Output Current	41.7A			
Peak Output Apparent Power (1s)	20,000VA			
Peak Output Apparent Power (10s)	14,000VA			
Nominal Output Voltage	120/240V (Split phase) , 120/208V (2/3 phase)			
Nominal Output Frequency	50Hz/60Hz			
Transfer Time	<10ms (typical)			
THDV	<3% @100% R Load			
Protection				
Protection Category	Class I			
DC Switch	Yes			
Anti-islanding Protection	Yes			
AC Overcurrent Protection	Yes			
DC/AC Overvoltage Protection	DC Type II, AC Type IV			
AC Short Circuit Protection	Yes			
DC Reverse connection	Yes			
Surge Arrester	DC Type II, AC Type II			
Insulation Resistance Detection	Yes			
Leakage Current Protection	Yes			
Battery Breaker	No	Integrated (300A)	Integrated (300A)	
Generator Breaker	No	Integrated (60A)	Integrated (60A)	
Grid Breaker	No	Integrated (70A)	No	
Back-up Breaker	No	Integrated (70A)	Integrated (200A)	
AFCI/RSD Monitoring	Yes			
General				
Max. Operation Altitude	2000m			
Ingress Protection Degree	NEMA 3R			
Operating Temperature Range	-25-60°C (>45°C derating)			
Relative Humidity	0-100%			
Cooling Method	Smart Cooling			
Mounting	Wall bracket			
Dimensions (W*H*D)	16.5*31.5*9.4 inch/420*800*240 mm	16.5*31.5*9.4 inch/420*800*240 mm	16.5*37.6*9.4 inch/420*955*240 mm	
Weight	43Kg/94.8lb	44Kg/97lb	47Kg/103.6lb	
HMI & COM				
Display	Wireless & APP + LED, LCD (optional)			
Communication Interface	RS485/CAN (for BMS), RS485 (for meter), RS485, Optional: WiFi/LAN			
Certification				
Grid	UL1741SB, IEEE1547: 2018, HECO SRD 2.0			
Safety	UL 1741/CSA C22.2/UL 1699B			
EMC	FCC Part 15 Class B			
Warranty	5/10 Years			

Remarks: · The range of output voltage and frequency may vary depending on different grid codes.
· Specifications are subject to change without advanced notice.

