



ALTILIUM LI04

High voltage battery storage is perfect solution when it is necessary to charge three phase powered appliances. It can be connected to the SOLARIS INV3 series hybrid inverter to accumulate energy from the grid, generator and solar modules, and take over the power supply during outages.

KEY FEATURES

- Reliability

Save enough energy to power your place for up to 4 days during power outages

- Functionality

Choose between different application modes, such as self-powered, time-based and backup

- Accessibility

Monitor your battery status, solar supply rates and energy consumption on our mobile app

BATTERY

ALTILIUM

20.48kWh



L104/20	
General	
Nominal voltage	204.8V
Battery voltage range	179.2-217.6V
Nominal capacity	100Ah @0.2C,25°C
Rated energy	20.48kWh @0.2C,25°C
Max. charge/discharge current	100A @25°C
Communication	CAN/RS485/DI&DO
Expandable capability	4P
Self-discharge	≤3%/month
Protection	Over voltage & Under voltage/Over current/Short-circuit/ Overtemperature & Under temperature protection etc
System parameter	
IP rating	IP20
Cooling	Nature
Cycles	≥6000times 80%DOD.@25°C
Dimension(W*H*D)	600*380*920mm
Weight	Approx.200kg
Certification	Designed to meet IEC62619,IEC62620 EN61000,UN38.3 standards
Environment	
Operating temperature range	Charing:0~+60°C Discharging:-20~+60°C
Altitude	0~4000m (derating over 2000m)

INVERTER

	INV3/6	INV3/8	INV3/10	INV3/12
PV input				
Max. input power	7.8KW	10.4KW	13KW	15.6KW
Max. PV voltage	1000V			
MPPT range	125V-850V			
Max. input current	12.5A*2			
MPPT tracker/strings	2/1	2/1	2/1	2/1
AC output				
Max. output power	6.6KVA	8.8KVA	11KVA	13.2KVA
Max. output current	9.5A	12.7A	15.9A	19.1A
Nominal voltage/range	400VAC/360Vac~440Vac			
Frequency	50/60Hz			
PF	0.99lagging-0.99leading			
THDI	<3%			
AC output topology	3W+N+PE			
Battery				
Battery voltage range	125V-600V			
Charge/discharge current	50A	50A	50A	50A
Max.Charge/discharge power	6.6KW	8.8KW	11KW	13.2KW
Battery type	Lithium-ion/Lead-acid			
Communication interface	CAN/RS485			
Eps output				
Max. output power	6.6KVA	8.8KVA	11KVA	13.2KVA
Rated voltage	400Vac			
Rated current	9.5A	12.7A	15.9A	19.1A
Rated frequency	50/60Hz			
Automatic switchover time	<20ms			
THDU	<2%			
General data				
Battery chage/discharge	97.5%	97.5%	97.5%	97.6%
DC max. efficiency	97.9%	97.9%	98.2%	98.2%
Euro efficiency	97.2%	97.2%	97.5%	97.5%
MPPT efficiency	99.5%	99.5%	99.5%	99.5%
Protection class	IP65			
Noise emission (typical)	<35dB			
Operation temperature	-25°C~+60°C			
Cooling	Natural			
Relative humidity	0~95% (non-condensing)			
Altitude	2000m			
Dimensions(WXD*H)	530*200*560mm			
Weight	29kg			
Inverter topology	Without transformer			
Self-consumption	<3W			
Features				
Display	LCD			
Interface:RS485/wif/can/drm	yes/opt/yes/yes			
Certificates	CE, TUV			

SOLARIS



APPLICATION

