








LITHIUM POWER SUPPLY 1500W – 100Ah

The LPS includes:

-  12V – 100Ah Lithium Ion Battery
-  230V/50Hz – 1500W Pure Sine Wave Inverter
-  230V/50Hz – 12V/50A Intelligent Charger
-  12V/45A DC-DC Booster
-  Display for status and fuel gauge



Model no.:014-01001GF

12VDC IN

Charge from the alternator via the starter battery. Connect the 12VDC IN directly to the starter battery. The LPS is protected from discharging the starter battery.

12VDC OUT

Powerful 70A output for on-board 12VDC equipment.

230VAC IN

Charge from mains. A full charge in just one hour and 40 minutes.

230VAC OUT

230V/50Hz pure sine wave output for operational equipment, up to 1500W.

Display

Overview of consumption status and remaining operation time.
Overview of charging status and remaining charging time.



Fast, safe and easy installation.

Anderson and Neutrik connectors for 12V DC and 230V/50Hz connections. (included)



Lithium Ion Battery (LiFePO4)

Capacity: 1320Wh
Efficient capacity (80% DOD): 1056Wh

12VDC output

20 min: 70A
Continuously: 60A

230V/50Hz output

>15 minutes: 1500W
Continuously: 1300W
Peak: 3000W

Operation times

200W @ 230V: 4hr : 30min
500W @ 230V: 1hr : 45min
1000W @ 230V: 50min

Charging

Charger (mains): 50A
DC-DC Booster (alternator): 45A

Charging times

50A (mains): 1hr : 40min
45A (alternator): 1hr : 45min

Charge/discharge cycles: 2000
Dimensions (WxHxD): 245 x 255 x 390 mm
Weight: 28 kg



Specifications | Lithium Power Supply (LPS)

Lithium Power Supply (LPS)		LPS 1512-100Ah
Model no.		014-01002GF
Battery type		Li-Ion 12V – 100Ah
Battery chemistry		LiFePO4
Battery capacity		100Ah (1320Wh)
Available capacity		80Ah (1056Wh)
AC Input Voltage		207 VAC – 253 VAC
AC Input frequency		45 Hz – 65 Hz
AC Input power (Charge power)		1000 W (4,5A)
AC Output voltage		230 VAC pure sine wave
AC Output frequency		50 Hz
AC Output power	Continuously	1300 Wrms (6A)
AC Output power	15 min	1500 Wrms (6,5A) 1800W (8A) / Socket
AC Output power	Peak (0,5 sec)	3000 Wrms
AC Output power	Peak (10 sec)	2500 Wrms
DC Input voltage		12 - 15 VDC
DC Input continuous current		< 50 A
DC Output Voltage		13,2 VDC (9,2 - 15 VDC)
DC Output continuous current		60 ADC
DC Output Max Impulse current	20 min	70 A
	1 min	100 A
	10 Sec	150 A
Operating temperature	(Output will be limited below 0°C)	-20°C~50°C
Cooling		Forced air (fan)
Self-discharge rate per month	(Sleep mode)	< 3%
Operating mode self consumption	(Only DC Output active)	5 W
Operating mode self consumption	(Inverter and DC Output active)	22 W
Sleep mode consumption	< 25 mW	
Connection 230VAC		Neutrik and Schuko
Connection 12VDC		Anderson SB50
IP rating		IP21
Product Weight		28 kg
Product dimensions in mm	(HxWxL)	250x244x390
Package weight		32 kg
Package dimensions in mm	(HxWxL)	350 x 355 x 495

Standards and approvals

2014/35/EU (Low voltage directive)
 EN 60950-1:2006 + A1:2010 + A2:2003 + A11:2009 +
 A12:2011 (Safety, Information technology equipment)

2014/30/EU (EMC directive)
 EN 61000-6-3: 2007 + A1:2011 Emission household equipment
 EN 61000-6-2: 2005 Immunity industrial