

# JENNY 1200

## Portable Fuel Cell Power System



JENNY 1200 is SFC's latest portable fuel cell. Efficient, compact and lightweight. JENNY 1200 charges your batteries without any user interaction. JENNY 1200 communicates and interoperates with your batteries, no matter where you are. JENNY 1200 powers all your equipment whether carried or left unmanned to operate alone.



- 🕒 Significant weight reduction
- 🕒 Fast and fully automated battery charging
- 🕒 Portable field charger

Technical Data	
Max. charging power per day	1200 Wh
Nominal power	50 W <sup>[1]</sup>
Voltage range	10 – 30 V DC <sup>[2]</sup>
Nominal voltage	16.4 V DC <sup>[3]</sup>
Weight	< 3.3 kg (< 7.28 lbs)
Dimensions L x W x H	214.5 x 96 x 264 mm (8.43 x 3.78 x 10.39 in)
Nominal consumption	< 1.0 l/kWh @ 50 W <sup>[4]</sup>
User interface	LCD Display with full text messages
Data interface	SMBus (compliant with SMBus v 1.0 or higher)
Electrical interface	Glenair # 804-005-07ZNU6-7SC
Chargeable batteries	Lead acid, lead gel, AGM (VRAL), LiFePO4
Chargeable smart batteries	SMBus batteries (e.g. BB2590, BT70884)

Environmental characteristics	
Operating temperature	-20 °C to +49 °C [-4 °F to +120 °F] <sup>[5]</sup>
Start-up temperature	+3 °C to +49 °C [+37.4 °F to +120 °F]
Storage temperature	+1 °C to +71 °C [+34 °F to +160 °F] -20 °C to +71 °C [-26 °F to +160 °F] in Frost-Protection Mode <sup>[6]</sup>
Humidity	0 to 95 %
Water protection	MIL-STD 810G method 506.5, procedure I – blowing rain Operation in heavy rainfall
Sand and dust	MIL-STD 810G method 510.5, procedure I
Vibration	MIL-STD 810G method 514.6, category 5, 8, 20 and 23
Drop	MIL-STD 810G method 516.6, procedure I & IV
Operating altitude	up to 4,000 m (13,000 ft) <sup>[1]</sup>
Noise	20 m non detectable
Inclination along the lateral / roll axis	Permanent max +/- 90°

[1] Power output can temporary decrease when operation temperature is above +40 °C (+104 °F) or at altitude above 2,500 m (8,200 ft).

[2] Voltage is self adjusting via SMBus communication or can be manually adjusted.

[3] Factory setting.

[4] Effective consumption depends on operating conditions.

[5] For temperature range below -20 °C (-4 °F) a winter pouch should be used.

[6] Frost-Protection mode needs to be activated manually when putting the fuel cell in the off state.

Delivery content JENNY 1200	Item number	NSN Number
JENNY 1200 Fuel Cell – color: sand	303 002 016	-
User Manual JENNY 1200	303 901 037	-
Quick Reference JENNY 1200	303 901 038	-
Service Fluid, 100 ml (3.4 fl. oz)	150 903 001	6810-12-383-1616

Optional cables	Item number	NSN Number
Li-145 Y-cable	905 906 072	6150-12-377-3236
Li-145 charging cable	905 906 073	-
BB-2590 Y-cable	905 906 074	6150-12-389-4598
BB-2590 charging cable	905 906 075	-
PM3G Cable	905 906 165	6150-12-381-8016
MicroSun Y-cable	905 906 078	-

Accessories and spare parts	Item number	NSN Number
Air Filter – color: sand	303 046 030	-
Service Fluid, 100 ml (3.4 fl. oz)	150 903 001	6810-12-383-1616
Winter Pouch JENNY 1200	303 902 038	-

Fuel Cartridges	M2.5 Regular	M5 Regular
Item number	303 905 069	303 905 097
NSN number	6810-12-381-8735	6810-12-382-0392
Volume	2500 ml (0.66 US gallons)	5000 ml (1.32 US gallons)
Content	100 % methanol	100 % methanol
Weight	2.2 kg (4.8 lbs)	4.3 kg (9.5 lbs)
Nominal capacity	min. 2500 Wh	min. 5 kWh
Operating temperature	-32 °C to +49 °C [-26 °F to +120 °F]	-32 °C to +49 °C [-26 °F to +120 °F]
Dimensions D x W x H	153 x 115 x 231 mm (6 x 4.5 x 9.1 in)	190 x 145 x 283 mm (7.5 x 5.7 x 11.1 in)