

JENNY 600S

Portable Fuel Cell Power System

JENNY 600S is the portable fuel cell from SFC. Efficient, compact and lightweight. JENNY 600S charges your batteries without any user interaction. JENNY 600S communicates with your batteries, no matter where you are. JENNY 600S powers all your equipment whether carried or left unmanned to operate alone.



Technical data ^[1]	
Max. charging power per day	600 Wh
Nominal power	25 W
Voltage range	10 – 30 V DC ^[2]
Nominal voltage	30 V DC ^[3]
Nominal charging current at 16.5 V / 30 V	1.52 A / 0.83 A
Recommended battery type / chemistry	3 to 7 cells / Lithium Ion
Weight	1.7 kg [3.75 lbs] ^[4]
Dimensions L x W x H	183.6 x 74.4 x 252.3 mm (7.22 x 2.93 x 9.93 in)
Nominal consumption	< 1.0 l / kWh @ 25 W ^[5]
User interface	LCD Display with full text messages
Data interface	SMBus (compliant with SMBus v 1.1, SBDS Rev1.01)
Electrical interface	Glenair # 804-005-07ZNU6-7SC
Slide-on battery	Nominal voltage: 7.3 V Nominal capacity: 2.4 Ah Max. charge / discharge: 2.4 A /5 A

Environmental characteristics	
Operating temperature	-32 °C to +35 °C (-26 °F to +94 °F) on Regular Fuel ^[6] +10 °C to +55 °C (+50 °F to +131 °F) on Desert Fuel ^[7]
Start-up temperature	+1 °C to +55 °C (+34 °F to +131 °F) ^[8]
Storage temperature	+1 °C to +71 °C (+34 °F to +131 °F) -32 °C to +71 °C (-26 °F to +160 °F) in Frost-Protection Mode ^[9]
Warranty period	1500 operating hours ^[10]
Humidity	0 to 100 %
Water protection	MIL-STD 810F method 506.4, procedure I
Submergibility	Submergible at 30 cm (1 ft) for 1 min, during operation ^[11] Submergible at 60 cm (2 ft) for 1 min in standby or in off-state
Sand and dust	MIL-STD 810F method 510.4, procedure I
Vibration	MIL-STD 810F method 514.5, category 5, 8 and 20
Drop	MIL-STD 810F method 516.5, procedure I & IV
Operating altitude	Up to 4000 m (13,000 ft)
Noise ^[12]	MIL-STD 1474D table 2-I > 98 ft / 30 m aural non-detectable
Inclination along the lateral / roll axis	Permanent max +/- 95°

Fuel cell	Item number	NSN Number
Fuel Cell JENNY 600S, including *Service Fluid 20 ml *User manual (EN) *Transport battery and fuel cartridge	303 000 005 (sand) 303 000 017 (Olive green)	6116-12-389-4618 on request

Accessories and spare parts	Item number	NSN Number
Service Fluid, 20 ml	303 903 001	6810-12-376-4718
Air filter, color sand (olive green)	303 090 011 (019)	4130-12-381-7926
Slide-on battery, color sand (olive green)	303 079 006 (014)	6140-12-381-8100
Transport battery	303 079 008	6160-12-383-5894
Battery charger	303 906 021	6130-12-381-8071
M2.5 Adapter	303 905 076	6116-12-381-8396
Transport case	303 902 009	8145-12-411-7914
Summer pouch, sand ^[13]	303 902 022	8465-12-389-9057
Winter pouch, sand ^[13]	303 902 024	8465-12-389-9417

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

Fuel Cartridges	M0.35 Regular	M0.35 Desert	M2.5 Regular ^[14]	M2.5 Desert ^[14]
Item number	303 905 090	303 905 091	303 905 069	303 905 070
NSN Number	6810-12-409-6231	6180-12-414-0145	6810-12-381-8735	6810-12-381-8737
Volume	350 ml (11.8 fl.oz)	350 ml (11.8 fl.oz)	2500 ml (84.53 fl.oz)	2500 ml (84.53 fl.oz)
Content	100 % methanol	60 % methanol, 40 % water	100 % methanol	60 % methanol, 40 % water
Weight	371 g (0.82 lbs)	410 g (0.90 lbs)	2200 g (4.13 lbs)	2300 g (5.11 lbs)
Nominal capacity	Max 400 Wh	Max 285 Wh	Max 2800 Wh	Max 1700 Wh
Operating temperature	-32 °C to +35 °C (-4 °F to +95 °F)	+10 °C to +55 °C (+50 °F to +131 °F)	-32 °C to +35 °C (-4 °F to +95 °F)	+10 °C to +55 °C (+50 °F to +131 °F)
Dimensions L x W x H	165 x 60 x 60 mm (6.50 x 2.36 x 2.36 in)	165 x 60 x 60 mm (6.50 x 2.36 x 2.36 in)	231 x 153 x 115 mm (9.09 x 6.02 x 4.53 in)	231 x 153 x 115 mm (9.09 x 6.02 x 4.53 in)

SFC fuel cartridges conform to the IATA regulation for air transportation.

- [1] All technical data under test conditions 20 °C / 68 °F
- [2] Voltage is self adjusting via SMBus communication or can be manually adjusted
- [3] Factory setting
- [4] Fuel cell without battery JENNY 600S and fuel cartridge
- [5] Effective consumption depends on operating conditions
- [6] For temperature range below 0 °C (+32 °F) the heating pouch must be used
- [7] At temperatures from +50 °C ... +55 °C (+122 °F ... +131 °F) operation is possible for limited time only
- [8] Start-up is possible down to -20 °C (-4 °F) with optional heat pouch
- [9] Frost protection mode needs to be activated manually when putting the fuel cell in the off state
- [10] A routine service check is required after 750 operating hours
- [11] Fuel cell does not produce power when being submerged; operation with power generation is possible in heavy rainfall
- [12] Under test conditions 20 °C / 68 °F and fully charged Battery JENNY 600S
- [13] Additional colors are available on request
- [14] Usage only in combination with accessory 303 905 076