



Tactical Product Catalogue



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Fuel cells and energy solutions for tactical and professional applications

EMILY 3000



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For more information
please visit our
website at
sfc-publicsecurity.com

SFC EMILY 3000



Article number NSN

151 000 093

6116-12-409-5249

Set includes

- ▶ EMILY 3000 fuel cell
- ▶ Service fluid, 100 ml
- ▶ User manual
- ▶ Exhaust hose
- ▶ Insulation exhaust tube
- ▶ Battery cable 200 cm

Technical data

Max. charging power per day	3000 Wh / day
Nominal power	125 W
Nominal voltage	12 / 16 / 24 V DC (suitable for lead-acid and Li-Ion charging)
Adjustable type of batteries	Lead batteries 12 V / 24 V / Li- Ion (BB-2590-U / BT-70884) / Li-Polymer (3 cell)
Weight	12.5 kg (27.6 lbs)
Dimensions (length x width x height)	476 x 206 x 286 mm (18.7 x 8.1 x 11.2 in)
Operating temperature	-25 °C to +50 °C (-13 °F to 122 °F)
Data interface	MIL-C-5015 / VG 95234-20-11 SV (RS-232)
Electrical interface	MIL-C-5015 / VG 95234-20-8 PN (Power)
Noise emission	MIL-STD 1474D Table 2-II (> 30 m / 98 ft non detectable)



EMILY 3000 Spare Parts



Exhaust tube

Leads exhaust and waste water out of the system; 120 cm length (sliceable). Material: silicone. Weight: 80 g

Article no.	151 904 004
NSN	4720-12-394-4330



Service fluid, 100 ml

Service fluid is needed for the internal process. Only refill it if requested by the fuel cell. Weight: 120 g

Article no.	150 903 001
NSN	6810-12-383-1616



Air filter unit, exchangeable

Changeable air filter to keep the process air inlet clean from sand and dust, also provides water protection. Weight: 20 g

Article no.	151 046 022
NSN	2940-12-382-0764



Isolation exhaust tube

Insulation for exhaust hose for operation at subzero temperatures; insulation protects water in exhaust hose from freezing and blocking the exhaust air outlet; 45 cm length (sliceable). Weight: 10 g

Article no.	151 095 068
NSN	4720-12-382-0982

EMILY 3000 Accessories



Fuel cartridge holder with belt

The fuel cartridge holder keeps the fuel cartridges M5 & M10 to a fix position inside the vehicle. Belt included. Weight: 500 g

Article no.	150 905 002
NSN	5340-12-383-1788



Mounting plate incl. shock absorbers

Necessary for vehicle integration, keeps the EMILY in the right position. Shock absorbers protect the EMILY against tough shocks/ vibrations while driving off-road. Weight: 3.5 kg

Article no.	151 908 014
NSN	2510-12-383-2834



EMILY carrying bag

Robust solution with integrated structure to house one EMILY 3000 and a fuel cartridge (M5 or M10). Additional storage pockets on the outside.

Article no.	151 902 054
NSN	NSN on request

EMILY 3000 Cables



Battery cable

Cable to connect EMILY 3000 to 12/24 V DC vehicle battery; electrical secured with 2 fuses. Length: 200 cm. Weight: 920 g

Article no.	151 906 027
NSN	6150-12-382-0137



Battery cable

Cable to connect EMILY 3000 to 12/24 V DC vehicle battery; electrical secured with 2 fuses. Length: 500 cm. Weight: 2.3 kg

Article no.	151 906 028
NSN	NSN on request



Battery NATO cable

Cable to connect EMILY 3000 to battery with NATO socket. Length: 500 cm.

Article no.	151 906 047
NSN	6150-12-386-0098



3-way connector

Cable to cluster up to 3 EMILY 3000 systems. Length: 120 cm. Weight: 500 g

Article no.	151 906 087
NSN	NSN on request



SFC JENNY 1200



Article number NSN

303 000 013
(sand)

6116-12-404-4148

Set includes

- JENNY 1200 fuel cell
- Service fluid 100 ml
- User manual
- Spare air filter

Technical data

Max. charging power per day	1200 Wh / day
Nominal power	50 W
Voltage range	10 - 30 V DC
Weight	3.3 kg (7.28 lbs)
Dimensions (length x width x height)	214.5 x 96 x 264 mm (8.43 x 3.78 x 10.39 in)
Operating temperature	-20 °C to +49 °C [-4 °F to +120 °F]
Communication	SMBus
Electrical interface	Glenair # 804-005-07ZNU6-7SC

JENNY 1200 Spare Parts



Service fluid, 100 ml

Service fluid is needed for the internal process. Only refill it if requested by the fuel cell. Weight: 120 g

Article no. 150 903 001
NSN 6810-12-383-1616



Air filter unit, exchangeable

Changeable air filter to keep the process air inlet clean from sand and dust, also provides water protection. Weight: 20 g

Article no. 303 046 030
NSN 6116-12-404-2616

SFC JENNY 600S



Article number NSN
303 000 017 6116-12-388-1051
(olive green)

- Set includes
- JENNY 600S fuel cell
 - Service fluid 20 ml
 - User manual
 - Transport battery
 - Transport cartridge

Technical data

Max. charging power per day	600 Wh / day
Nominal power	25 W
Voltage range	10 - 30 V DC
Weight	1.7 kg (3.53 lbs)
Dimensions (length x width x height)	184 x 74 x 252 mm (7.22 x 2.93 x 9.93 in)
Operating temperature	-32 °C to +35 °C [-26 °F to +94 °F] on regular fuel +10 °C to +55 °C [+50 °F to +131 °F] on desert fuel
Communication	SMBus
Electrical interface	Glenair # 804-005-07ZNU6-7SC



JENNY 600S Spare Parts

Service fluid, 20 ml



Service fluid is needed for the internal process. Only refill it if requested by the fuel cell. Contains a water/methanol mix. Weight 30 g

Article no.	303 903 001
NSN	6810-12-376-4718

Air filter unit, olive green exchangeable



Changeable air filter to keep the process air inlet clean from sand and dust, also provides water protection. Weight: 10 g

Article no.	303 090 019
NSN	4130-12-381-7926

Replacement battery, olive green



Internal battery for JENNY 600S. Li-Ion rechargeable battery; 2.35 Ah, 7.3 V. Weight: 190 g

Article no.	303 079 014
NSN	6140-12-381-8100

Transport battery



Dummy battery for safe transportation of the JENNY 600S, also reduces self-discharge of internal battery in longer storage periods. Weight: 40 g

Article no.	303 079 008
NSN	6160-12-383-5894

JENNY 600S Accessories



Battery charger

Battery charger to recharge the internal battery of the JENNY 600S; comes with Euro and US plug for 110/230 V and 50/60 Hz. Weight: 260 g

Article no.	303 906 021
NSN	6130-12-381-8071



JENNY 600S and JENNY 1200 Cables



Li-145 Y-cable

Y-cable to power electronics and charge a Li-145 battery.
Length: 70 cm

Article no.	905 906 072
NSN	6150-12-377-3236



BB - 2590 Y-cable

Y-cable to power electronics and charge a BB-2590 battery.
Length: 70 cm. Weight: 170 g

Article no.	905 906 074
NSN	6150-12-389-4598



Fuel Cell IN cable

Cable to connect SFC Power Manager 3G to JENNY 600S.
Length: 150 cm. Weight: 180 g

Article no.	905 906 165
NSN	6150-12-381-8016



BB - 2590 charging cable

Cable to charge a BB-2590 battery. Length: 60 cm.
Weight: 170 g

Article no.	905 906 075
NSN	NSN on request





Power Manager 3G



Article number **NSN**

905 000 007 6130-12-377-4931
(olive green)

Set includes

-  SFC Power Manager 3G
-  User manual

Technical data

Display	LCD-Display with graphics and full text
Weight	520 g (1.15 lbs)
Dimensions (length x width x height)	162 x 95 x 36 mm (6.83 x 3.74 x 1.42 in)
Operating temperature	-32 °C bis +55 °C (-24 °F to +131 °F)
Communication	SMBus
Electrical interface	2 high power inputs/outputs (430 W): Glenair # 804-005-07ZNU8-13S 2 power inputs/outputs (65 W): Glenair # 804-005-07ZNU6-7S 2 power outputs (65 W): Glenair # 804-005-07ZNU7-10S

Power Manager 3G Cables



Li-145 / Li 80 IN / OUT 7 pin

Cable to charge and discharge Li-145 / 80 batteries with SFC PM 3G. Length: 150 cm. Weight: 160 g

Article no. 905 906 166
NSN 6150-12-381-8020



MBITR OUT 10 pin

Cable to power a PRC 148 MBITR radio. Length: 75 cm.

Article no. 905 906 129
NSN 6150-12-389-4612



x590 IN / OUT 7 pin

Cable to charge and discharge BB-2590 batteries with SFC PM 3G. Length: 60 cm. Weight: 190 g

Article no. 905 906 160
NSN 6150-12-381-8004

Power Manager 3G Cables



12 V OUT 10 pin

Cable to power 12 V electronic devices via 12 V vehicle socket. Length: 300 cm. Weight: 150 g

Article no.	905 906 159
NSN	6150-12-381-8002



12 V OUT 10 pin

Cable to power 12 V electronic devices via 12 V banana sockets. Length: 100 cm. Weight: 80 g

Article no.	905 906 155
NSN	6150-12-381-8075



12 / 24 V Auto IN 7 pin

Cable to harvest energy from vehicle power socket. Length: 500 cm. Weight: 230 g

Article no.	905 906 154
NSN	6150-12-381-7998



Fuel Cell IN 13 pin

Cable to connect JENNY 600S to SFC Power Manager 3G. Length: 150 cm. Weight: 180 g

Article no.	905 906 165
NSN	6150-12-381-8016



Toughbook OUT 10 pin

Cable to power Toughbook computers. Length: 300 cm. Weight: 140 g

Article no.	905 906 149
NSN	6150-12-381-7993



USB 10 pin

Cable to connect SFC PM 3G to any computer (necessary for use with SFC PM 3G configuration software). Length: 100 cm. Weight: 60 g

Article no.	905 906 161
NSN	6150-12-381-8014



Solar IN 7 pin

Cable to harvest solar energy from Solarpanel Globalsolar P3-62 W. Length: 300 cm. Weight: 140 g

Article no.	905 906 164
NSN	6150-12-381-8013



Terminal IN 7 pin

Cable to harvest energy from lead acid batteries (12 / 24 V). Length: 500 cm. Weight: 270 g

Article no.	905 906 156
NSN	6150-12-385-8073



Wall Adapter IN 7 pin

Cable to harvest energy from the grid. Length: 300 cm. Weight: 1.3 kg

Article no.	905 906 162
NSN	6150-12-381-8009

Accessories

Other

Bren Tronics BB-2590: 225 Wh

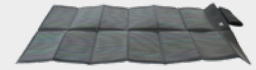
Rechargeable Li-Ion battery with SMBus.
Nominal voltage 14.4 V. Weight: 1.4 kg.
Capacity ~ 225 Wh



Article no.	905 906 255
NSN	6140-01-490-4316

Solarpanel Globalsolar P3-62 W

Solar panel for use with
SFC Power Manager 3G.
Nominal power: 62 W. Weight: 640 g



Article no.	905 906 295
NSN	6117-12-408-8574

Fuel Cartridges

M0.35 regular DE/EN

Content: 350 ml Pure methanol. For JENNY 600S only.
Temperature: up to +35 °C / +95°F. Weight: 370 g.
Delivery size: packaging unit with 6 cartridges



Article no.	M0.35 regular DE	303 905 088
	M0.35 regular EN	303 905 090
NSN	M0.35 regular DE	6810-12-376-4753
	M0.35 regular EN	6810-12-409-6231

M0.35 desert DE/EN

Content: 350 ml Pre-mix methanol / water. For JENNY 600S only.
Temperature: up to +55 °C / +131 °F. Weight: 400 g.
Delivery size: packaging unit with 6 cartridges



Article no.	M0.35 desert DE	303 905 089
	M0.35 desert EN	303 905 091
NSN	M0.35 desert DE	6810-12-376-4737
	M0.35 desert EN	6810-12-376-6203

M28 adapter

M28 adapter allows to run EMILYs
with a M28 fuel cartridge. Weight: 140 g



Article no.	151 003 011
NSN	6116-12-386-0055

Fuel Cartridges



M5

Content: 5 l Pure methanol. For EMILY 3000 and JENNY 1200.
Temperature: up to +50 °C/+122 °F.
Weight: 4.3 kg. Delivery size: packaging unit with 2 cartridges

Article no.	150 905 006
NSN	6810-12-382-0392



M10

Content: 10 l Pure methanol. For EMILY 3000 and JENNY 1200.
Temperature: up to +50 °C/+122 °F.
Weight: 8.4 kg. Delivery size: packaging unit with 2 cartridges

Article no.	150 905 008
NSN	6810-12-382-0394



M28

Content: 28 l methanol. For EMILY 3000 (M28-adapter re-quired). Weight: 24.0 kg. Delivery size: packing unit with 1 cartridge

Article no.	150 905 040
NSN	6810-12-382-0397



Pouches

JENNY summer pouch: 5 Color Camo



Summer pouch for JENNY 600S with MALICE Clips®.
Weight: 210 g

Article no.	303 902 013
NSN	8465-12-377-9123

JENNY winter pouch: 5 Color Camo



Winter pouch for JENNY 600S with MALICE Clips®.
Designed for use in cold regions. Weight: 380 g

Article no.	303 903 027
NSN	6116-12-377-9168

Cable pouch: 5 Color Camo



Pouch for cable set with MALICE Clips®. Weight: 220 g

Article no.	905 902 005
NSN	8105-12-377-9119

Power Manager pouch: 5 Color Camo



Pouch for SFC Power Manager with MALICE Clips®.
Weight: 110 g

Article no.	905 902 012
NSN	8465-12-377-9121

Basic bundles

The SFC JENNY 600S is working as an intelligent charger for military SMBus batteries, which will stop charging and switch to an automatic mode once the battery is fully charged. For easily accessible energy in any application.



BB-2590 Battery Charging

Article numbers

303 000 017

(JENNY 600S)

905 906 075

(Cable to charge a BB-2590 battery)

905 906 255

(Bren-Tronics BB-2590: 225 Wh)

BB-2590 Battery Charger

Typically used in devices such as communications gear, this set extends operations for Joint Terminal Attack Controllers (JTAC), Forward Air Controllers (FAC) and Joint Fire Support Team (JFST).



CWB Charging

Article numbers

303 000 017

(JENNY 600S)

905 906 072

(Cable to charge a CWB / Li-145 battery and electronics)
Batteries (available on request for project basis only)

Conformal Wearable Battery Charger

This bundle delivers safe, flexible, wearable power to increase mission effectiveness with a design that is conform to the warfighter's body for optimized ergonomics.



Li-145 Battery Charging

Article numbers

303 000 017

(JENNY 600S)

905 906 072

(Cable to charge a CWB / Li-145 battery and electronics) Batteries (available on request for project basis only)

Li-145 Battery Charger

Adaptable to hand-held military radios and other communications equipment this rugged battery supports military as well as forward-situation applications (e.g. emergency response).

SFC Energy

SFC Energy AG is a leading supplier of hydrogen and direct methanol fuel cells for stationary and mobile hybrid power solutions. With more than 65,000 fuel cells sold worldwide to date, we are a sustainably profitable fuel cell producer. With continuous investment in research and development, we are constantly working to further expand our technology leadership for mobile and off-grid energy solutions. Our fuel cells are "Made in Germany" and are developed at our headquarters in Brunnthal near Munich. Further subsidiaries are located in the Netherlands, United Kingdom, Romania, United States, Canada and India. SFC has over 20 years of experience in the development, production and sales of fuel cells. Thus, SFC stands for off-grid, environmentally friendly fuel cell solutions with highest quality standards and best service.

more than

65,000

fuel cells sold

7

locations

Germany
The Netherlands
United Kingdom
Romania
United States
Canada
India

381

employees

- 5,000 t

saved CO₂

9.3 Mio kWh

environmentally friendly
produced energy

SFC
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Worldwide logistics and service



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