

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 action. 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.

➤ **In operational use**



Technical data	
Max. charging power per day	600 Wh
Nominal power	25 W
Voltage range	10 – 30 V DC ^[1]
Nominal voltage	29.4 V DC ^[2]
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	1.6 kg [3.53 lbs]
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 ^[3]
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
Slide-on battery	SAFT 2S1PMP144350 with SMBus (Ref.-Nr. 07552X) Nominal voltage: 7.5 V Nominal capacity: 2.6 Ah End of charge: 8.4 V +/- 0.08 V Max. charge / discharge: 2.6 A / 5 A

Environmental characteristics	
Operating temperature	-32 °C to +35 °C [-26 °F to +94 °F] on Regular Fuel ^[4] +10 °C to +49 °C [+50 °F to +131 °F] on Desert Fuel ^[5]
Start-up temperature	+1 °C to +55 °C [+34 °F to +131 °F] ^[6]
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 ^[7]
Warranty period	Minimum 1500 operating hours ^[8] at 100 % nominal power 2500 operating hours with a reduction to 85 % nominal power (optional)
Humidity	0 to 100 %
Water protection	MIL-STD 810F method 506.4, procedure I – blowing rain Operation in heavy rainfall
Submergibility	Submergible at 30 cm (1 ft) for 1 min, during operation ^[9] Submergible at 60 cm (2 ft) for 1 min in standby or in off-state In off-state JENNY 600S can be transported down to 30 m water depth (submarine exit)
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
Operating altitude	Up to 4000 m (13,000 ft) without power loss
Noise	< 37 dB(A) at 1 m [3 ft]
Inclination along the lateral / roll axis	Permanent max +/- 95°

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

[2] factory setting

[3] Effective consumption depends on operating conditions

[4] For temperature range below -10 °C (+14 °F) the heating pouch should be used

[5] At temperatures from +50 °C ... +55 °C (+122 °F ... +131 °F) operation is possible for limited time only

[6] Start-up is possible down to -20 °C [-4 °F] with optional heat pouch

[7] Frost protection mode needs to be activated manually when putting the fuel cell in the off state

[8] A routine service check is required after 750 operating hours

[9] Fuel cell does not produce power when being submersed; operation with power generation is possible in heavy rainfall

Fuel cell	Item number
JENNY 600S incl. accessories - color: sand	303 000 005
JENNY 600S incl. accessories - color: olive green	303 000 011

Auxiliary equipment	Item number
Transport case	303 902 009
Summer pouch, sand	303 903 005
Winter pouch, sand	303 906 013

Optional cables	Item number
Li-145 Y-cable	905 906 072
Li-145 charging cable	905 906 073
BB-2590 Y-cable	905 906 074
BB-2590 charging cable	905 906 075
MicroSun Y-cable	905 906 078
Fuel Cell IN cable	905 906 184

Accessories	Teilenummer
Service Fluid, 20 ml (0.7 fl.oz)	303 903 001
Air filter, sand (olive green)	303 090 011 (019)
Slide-on battery, sand (olive green)	303 079 006 (009)
Battery charger	303 906 021
JENNY ND Terra Kit (system case without JENNY 600S Fuel Cell)	303 000 307

Delivery content JENNY 600S Set - item number 303 000 005 / 011
JENNY 600S Fuel Cell
User manual
Service Fluid, 20 ml (0.7 fl.oz)
Transport box
Transport battery

Fuel cartridges	M0.35 Regular	M0.35 Desert
Item number	303 905 090	303 905 091
Volume	350 ml (11.8 fl.oz)	350 ml (11.8 fl.oz)
Content	100 % methanol	60 % methanol, 40 % water
Weight	371 g (0.82 lbs)	410 g (0.90 lbs)
Nominal capacity	400 Wh	285 Wh
Operating temperature	-32 °C to +35 °C [-4 °F to +95 °F]	+10 °C to +55 °C [+50 °F to +122 °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 (6.50 x 2.36 x 2.36 in)

Subject to change 0811-1/4

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