

SFC Power Manager 3G



The SFC Power Manager 3G charges your batteries efficiently and provides power to your equipment in the field. It can easily be integrated into existing systems and simplifies your power logistics. The SFC Power Manager 3G enables soldiers in the field to make optimum use of available power sources including batteries, vehicle power, solar and of course Fuel Cells! Intelligent and configurable power management reduces the overall weight of your power system significantly while increasing the efficiency of the operation at the same time.



Technical Data	
Weight	520 g (1.15 lbs)
Dimensions L x W x H	162 x 95 x 36 mm (6.38 x 3.74 x 1.42 in)
Display	LCD display with graphics and full text
Data interface	USB (USB 1.0 or higher)
Communication Interface	SMBus (SMBus v 1.0 or higher)
Electrical Interface	Glenair # 804-005-07ZNU6-7SC Glenair # 804-855-07ZNU8-13SA

Environmental characteristics	
Operating temperature	-31 °C to +55 °C (-24 °F to +131 °F)
Storage temperature	-31 °C to +80 °C (-22 °F to +176 °F)
Efficiency	up to 98 %
Humidity	0 to 100 %
Water protection	MIL-STD 810F method 506.4, procedure I and II submersible up to 1 meter for 2 hours
Sand and dust (planned)	MIL-STD 810F method 510.4, procedure I
Vibration (planned)	MIL-STD 810F method 514.4, category 5, 8 and 20
Shock (planned)	MIL-STD 810F method 516.5, procedure I and IV
Noise	not applicable

Electrical specifications	
Ports	2 High power I/O's ⁽¹⁾ 2 Power harvesting I/O's ⁽¹⁾ 2 Power Outputs ⁽¹⁾
Voltage range	8 - 33 V DC
Current range	5 A / 13 A ⁽¹⁾
Power range	55 W / 430 W ⁽¹⁾
Cable-identification	One-wire chip
Port protection	Over-voltage Over-current Short circuit Reverse polarity Overtemperature

⁽¹⁾ See Port Overview for details

Port designation	Number of ports	Voltage range	Current rating	Power rating	Communication	Cable ID	Port protection	Applications
High power I/O	2	8-33 V DC	13 A	430 W	SMBus / USB	Yes	Over-voltage Over-current Short circuit Reverse polarity Overtemperature	- Vehicle power - Generators - Wall adapter - Fuel cells - Laser designation - Satellite radio / Comms
Power harvesting I/O	2		5 A	55 W	SMBus	Yes		- Batteries (charging & utilizing) - Fuel cells - Solar (MPP tracking)
Power output	2		5 A	55 W	SMBus	Yes		- Batteries - Radio / Comms - Laptop computers - other

SFC Power Manager	Item number
SFC Power Manager 3G	905 002 005

Delivery content SFC Power Manager 3G
SFC Power Manager 3G
User Manual
Windows tool and driver on CD
Transport box

Optional cables	Item number
12/24 V Auto IN - 60"	905 906 102
Li-145 / Li-80 IN/OUT - 12"	905 906 103
Solar IN - 36"	905 906 104
Solar IN long- 18"	905 906 105
Zind Air IN - 12"	905 906 106
M-25 Evaluation - 60"	905 906 107
M-25 IN - 18"	905 906 108
CF-18 OUT - 72"	905 906 109
BB-2590 IN/OUT - 12"	905 906 110
12 V Auto OUT - 60"	905 906 111
13 pin NATO adapter - 108"	905 906 112
7 pin NATO adapter - 12"	905 906 113
USB - 72"	905 906 114
DC Power Input - 100"	905 906 115

Equipment	Item number
Power Manager pouch, 5-color-camo	905 902 003
Power Manager pouch, desert brown	905 902 007
Power Manager pouch, ACU	905 902 006
Cable pouch, 5-color-camo	905 902 005
Cable pouch, desert brown	905 902 008
Cable pouch, ACU	905 902 009
Webdominator, brown	905 908 018
Webdominator, grey	905 908 019
Webdominator, black	905 908 020

Subject to change 1007-v2

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