

point2point accessories

- Cases
- Battery switch
- Power sleeve

PPM's **point2point** RF over fibre links can transmit any type of low level RF/analogue signals of up to 3GHz over single mode fibre. Ideal for EMC measurements, HPM experiments or distributed timing.

CASES



Desktop Case SRK-3P / SRK-3RP

The 4U desktop case incorporates a backplane PCB, power supply and cooling fans. The case can accommodate up to 10 plug-in modules or 8 modules plus a system controller. Integrated GPIB and RS232 control ports support remote control. The 3P model is intended for desktop use. The 3RP variant is supplied with rack or cabinet mounting ears. Plug-in modules simply slide into the case, allowing the user to quickly and easily add modules at any time.



1U 19" Rack 75011



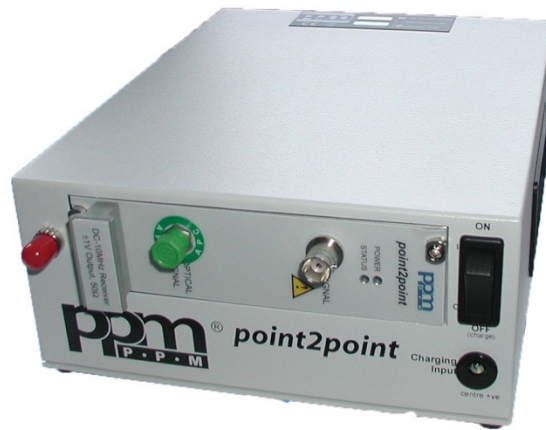
The 75011 rack chassis enables three **point2point** plugin modules to be housed in a 19" enclosure. Power for the modules is provided by an integrated AC power supply that has a universal input. The 75011 rack chassis is a neat and cost-effective for applications such as monitoring 3-phase systems.

Mains Powered Converter Sleeve 75002



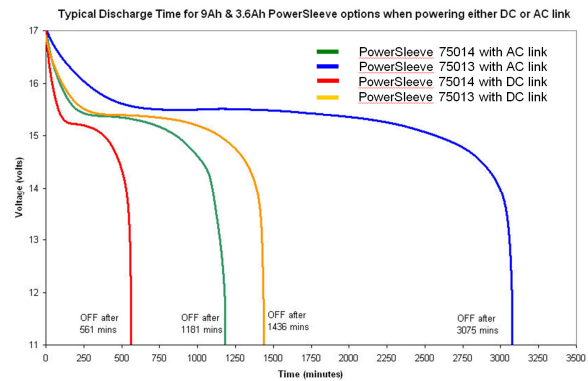
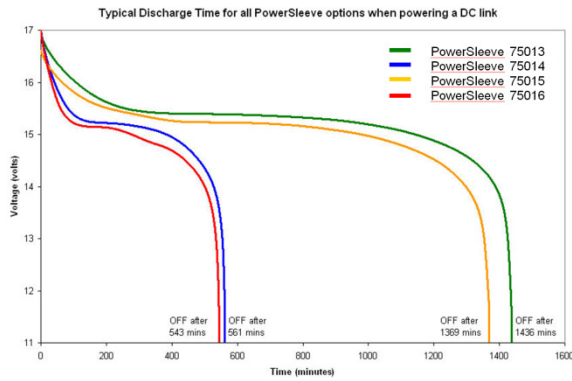
The 75002 converter sleeve enables a **point2point** plug-in module to be used as a standalone unit, designed for operation at a remote location where environmental and electromagnetic field levels are less demanding. Power may be provided from an external DC source or from a 73502 PPM wide-input range 12V mains power supply unit. The 75002 is not recommended for use in a hostile RFI environment and is not compatible with PPM battery packs. In these situations, a shielded remote module should be used.

Battery Converter Sleeve 7501x



The 7501x plug-in battery sleeve converts the Plug-In Module into a battery powered standalone unit designed for operation at a remote location where environmental and electromagnetic field levels are less demanding. This solution provides comprehensive isolation from HV and very long run times with the option of a 9.0Ah battery and remote ON/OFF controller switch.

Description	75002 Converter Sleeve	75013/4/5/6 Power Sleeve	SRK-3P Fan-Cooled Desktop Case	SRK-3RP Fan-Cooled Subrack	75011 Subrack
Max. no. of plug-in modules	1	1	10 - using switch panel 8 - using controller		3
19" rack mounting (ears)	No	Not suitable	Not suitable	Yes	Yes
Desktop mounting (handles)	Yes	Yes	Yes	Not suitable	Not suitable
Wall mounting	Yes	Not suitable	Not suitable	Not suitable	Not suitable
Height	38mm	82mm	4U, 177mm	4U, 177mm	1U, 44.25mm
Width	160mm	175mm	84HP (448.8mm)	84HP (448.8mm)	84HP (448.8mm)
Depth (excl. handles)	190mm	223mm	345mm	345mm	345mm
Weight (excl. modules)	600g	2.5kg min 3.7kg max	8kg	8kg	1.5kg
Operating temperature	-10°C to +40°C				
Power	Mains PSU 73502	Internal Battery	Universal AC input 100VAC – 270VAC 50-60Hz		



The data above shows the discharge performance characteristics for all variants of the PowerSleeve when running a standard **point2point AC or DC** link, including the effect of using the optically controlled battery switch, which increases the speed at which the battery discharges.

Shielded Battery Packs and Charger

All remote modules are designed for operation with shielded battery packs which are available with standard capacity or high capacity. Battery packs attach to the shielded module with a U-shaped coaxial linking plug that serves as an electrical connection and a mechanical fixing. Battery cells are protected with two resettable for over-temperature and over-current control.



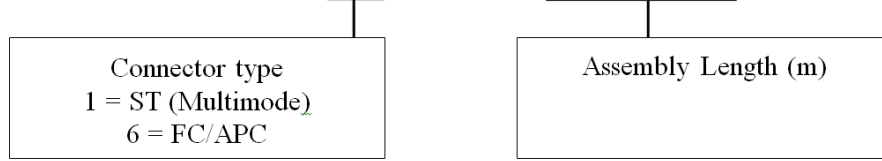
	Standard Capacity Battery Pack 73511	High Capacity Battery Pack 73512
Battery Pack Dimensions (LxWxH),	160x23x90mm	160x40x90mm
Battery Pack Capacity	2.0Ah	3.6Ah
Battery Pack Charge Time	<1hour	<2 hours
Battery Pack Discharge Time (DC modules)	4 hrs	8 hrs
Battery Pack Discharge Time (AC modules)	8 hrs	15 hrs
Weight	750g max.	1.1kg max.
Voltage	14.4V nominal	
Cell Type	Nickel Metal Hydride	
Protection	Internal thermal fuse	
Charger Type	PAG Intelligent Charger 56166(shown)	

Fibre Optic Cables and Accessories



Fibre Type	Fibre type F6R1/xxx	Fibre type F1R1/xxx	Fibre type F8R1/xxx
Description	Single-mode 8/125µm	Multi-mode 50/125µm	Multi-mode 62.5/125µm
Suitable links	AC links (PAT or PAR) DC links (PDT or PDR) 2MHz & 10MHz	DC links (PDT or PDR) 2MHz	DC links (PDT or PDR) 2MHz
Cable Outer Diameter	2.8 - 3.0 mm		
Minimum Bend Radius	25mm		
Temperature Range	-10 to +50°C		

F 6 R 1 / XXX



e.g. F6R1/10 = 10m long cable with FC/APC connectors
 For cables 25-2000m, please contact PPM.

PART NUMBERS AND ORDERING INFORMATION

CASES & SUBRACKS

SRK-1P	3U Desktop Case + Switch Panel
SRK-2P	3U Subrack + Switch Panel
SRK-3P	4U Desktop Case + Switch Panel
SRK-3RP	4U Subrack + Switch Panel
75002	Converter Sleeve
73502	Mains PSU for Converter Sleeve
75011	1U Subrack
75013/4/5/6	Remote battery sleeve

BATTERY PACKS

73511	Standard Capacity Battery Pack + Battery Linking Plug
73512	High Capacity Battery Pack + Battery Linking Plug
56166	PAG Charger + 4 Charging Leads

FIBRE OPTIC CABLES

FxR1/xxx	Fibre Optic Cable (1, 10, 50m standard. For 25 – 2000m contact PPM)
73481	Cable Management Reel
73554	Large Cable Management Reel for cross-site Cables to 300m
56172	FC Bulkhead Adapter
55440	ST Multimode Bulkhead Adapter
72791	Optical Cleaning Kit

BATTERY SWITCH

73680	Switch, Battery Load, point2point
73681	Module, Battery Controller, 4 channel
F1R1/1	1m Multimode Fibre Optic Cable, ST Connectors /10 (=10m), /50. For 25 to 2000m contact PPM
F8R1/1	1m Multimode Fibre Optic Cable 62.5/125, ST Connectors /10 (=10m), /50. For 25 to 2000m contact PPM
73401	Battery Switch lead, DIN47295 to 2.1mm power plug
73402	Battery Switch lead, DIN47295 to bare end

Current and voltage probes are also available...