

Mobile Power Supplies

DC Power Supplies for TETRA Desktop Mobiles



Motorola Solutions provide three 'styles' of Mobile Desktop Power Supply, the range caters for the wide requirements of usage and environments. Each model is fully tested with Motorola Solutions TETRA Mobile Terminals and they meet all relevant regulatory requirements. Each Model is available as an In Box Model Option or as an Aftermarket Accessory.

Benefits of PMPN4055 include:

- Wide Input Voltage Range
- 6 Amp Cont. usage
- Small compact design
- Includes slide on mounting bracket

Benefits of GPN6145 include:

- Wide Input Voltage Range
- 6 Amp Cont. usage 10 Amp (20mins)
- Battery Backup charger

This model is subject to Cancellation.

Use alternative solution PMPN4076A or if Standby Battery Backup is not required PMPN4055A.

Benefits of HPN4007 include:

- Wide Input Voltage Range
- 8 Amp Cont. usage 15Amp (20mins)
- Integrated DC Cable with Ignition Sense output

Benefits of **NEW** PMPN4076

- Wide Input Voltage Range
- 6 Amp Cont. usage 9 Amp (20mins)
- Battery Backup charger
- **True** Desk Top design

The following ACCESSORIES are compatible with this PRODUCT:

- DC Cable Part No. GKN6266A for GPN6145
- DC Cable Part No. PMKN4165A for PMPN4055 and PMPN4076

PRODUCT SPECIFICATIONS

Technical Data	Power Supply Model Nos.			
	GPN6145B (To be Phased out)	PMPN4076A NEW	HPN4007D	PMPN4055A NEW
Input Voltage Range (AC)	95 - 255Vac 47 - 63Hz	85-135Vac 170-265Vac 47 -440Hz	90 -275Vac 47- 63Hz	85-135Vac 170-265Vac 47 -440Hz
Output Voltage DC)	13.8	13.6	14.1	13.6
Cont. Rated (A)	6	6	8	6
Duty Cycle (A) (Min)	10 (20mins)	9 (20mins)	15 (20mins)	Not applicable
Power Conversion Efficiency (%)	>90%	>85%	> 85%	>85%
Operating Temperature (°C)	-30 - +60	-25 - +30	0 - +50	-25 - +30
Extended Operating Temp (°C)	Not applicable	+30 - +70 (de-rate linearly to 0A)	Not applicable	+30 - +70 (de-rate linearly to 0A)
Storage Temperature (°C)	-55 - +85	-40 - +100	-40 - +85	-40 - +100
Operating Humidity (%)	95	95	95	95
Connections;-				
Input	IEC-320 C14 socket use with optional C13 cordset	IEC-320 C14 socket use with optional C13 cordset	IEC-320 C14 socket use with optional C13 cordset	IEC-320 C14 socket use with optional C13 cordset
Output	6 Pin Molex, connects to Optional DC Cable Part No. GKN6266A	6.3mm push on blade terminals , connects to Optional DC Cable Part No. PMKN4165A	Integral DC Cable terminated for Motorola Mobiles, includes Ignition Sense	6.3mm push on blade terminals , connects to Optional DC Cable Part No. PMKN4165A
Ground (Aux)	Stud with crimp eyelet	Stud with crimp eyelet	None	Stud with crimp eyelet
Visual Indications	Two LEDS Red and Green	LED	None	LED
Battery Back up charger	Yes	Yes	None	None
Mounting Option	None, Free standing	Desk Tray design	None, free standing	Click n Fit Mounting Bracket and integral rubber feet
Safety protection				
Over Current	Yes	Yes	Yes	Yes
Over Voltage	Yes	Yes	Yes	Yes
Over heat	Yes	Yes	Yes	Yes
Transients	Yes	Yes	Yes	Yes
Catastrophic Failure	Yes	Yes	Yes	Yes
	Input and output Fuses	Input and output Fuses	Input and output Fuses	Input and output Fuses
Mechanical;-				
Dimensions (mm)	210 x 170 x 70	170 x 155 x 49	265 x 125 x 75	165 x 87 x 59
Weight (g)	1400g	800g	1490g	675

Specifications subject to change without notice. All specifications shown are typical. Before using these power supplies, please review the appropriate safety regulations in the Two-Way Radio RF and Safety booklet. Use of non-Motorola-approved accessories may exceed the European and FCC (IEEC) EMC guidelines.

Additional Notes

PMPN4076A is a true Desktop Power Supply and enables the Mobile to be mounted and secured on Top of the Power Supply (see front page image). The supplied cable PMKN4165A is a standard length and can be cut to length (additional 6.3mm Blade connectors are included in the kit). The PMPN4076A desktop design also replaces the need for the Desk Tray (GLN7318A) or Desk Tray with Loudspeaker (RSN4005A). Suitable alternative Loudspeakers are the 7.5W Loudspeaker (RSN4003A) or the 5W Loudspeaker (RSN4004A). A Battery Back Up Box (BBB) is being developed with Alfatronix to provide 7AH and Loudspeaker capability, Launch Date late 2017.



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