



PMK announces a Battery Pack for its High Voltage Differential Probe BumbleBee as well as other PMK active probes. This 12 Cell Battery and charger provides 4500 mAh for enduring tests up to 8 hours continuously. By three-state Indicator LED it will alarm the user before being fully depleted. The Battery itself is designed for more than 500 charging cycles. IEC 61951-2 (2003) 7.4.1.1

The external battery charger is tested in compliance with *EN 60335-2-29 / IEC 335-2-29*.

This datasheet supersedes all previously published material. Specifications that are not marked as guaranteed are published as general information to the user. The specifications stated are achieved with a PMK Power Supply and can vary, if BumbleBee® is powered by another source.

The instrument should have warmed up for at least 20 minutes and the environmental conditions must not exceed the specified limits of the probe. We recommend a calibration period of 1 year or less. Note that specifications are subject to change without notice.

Manufacturer

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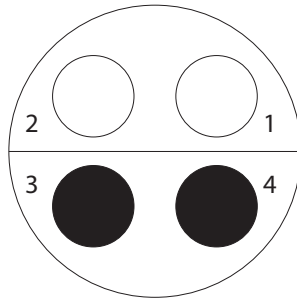
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PMK's AP-01 Battery chargers use a Lemosa connector Type 304. Please find Pin assignment down below:



PIN	Assignment
1	(-Vcc)
2	(+Vcc)
3	not assigned
4	not assigned



Electrical Specifications

Technical Specifications Charger

<i>Input Voltage</i>	100 - 240 V (± 10 %), 50 - 60 Hz
<i>Input Power</i>	400 mA
<i>Hi-Pod Test (Input-Output)</i>	3 kV / 50 Hz / 2s
<i>Standard</i>	EN 60335-2-29 / IEC 335-2-29
<i>Protection</i>	IP30
<i>Temperature range (charging)</i>	0 °C to + 40 °C
<i>Temperature range (storage)</i>	-40 °C to + 70 °C

Mechanical Specifications

Weight	tba
Length of Cable	2 m
Length of Input Leads	25 cm
Input Connectors	2 x 4 mm (male)
Output Connectors	BNC (male)

LED / Charge control

Display	Meaning	Remarks
Permanent (100% ON)	Charging	Default after battery contact
Blinking (50% ON)	Deeply discharged battery	Battery voltage ≤ 10,5 V
Blinking (25% ON)	Conservation charge	Battery fully charged

Technical Data Battery

Type	Nickel Metal Hydride (NiMh)
Voltage	14.4 V (symmetric DC ±)
Nominal capacity	4500 mAh
Cell count	12
Ripple and Noise	250 µV RMS
IEC Life Cycle Test	Cycles ≥ 500 IEC 61951-2 (2003) 7.4.1.1
<i>Temperature range (charging)</i>	0 °C to + 40 °C
<i>Temperature range (discharging)</i>	-20 °C to + 40 °C
<i>Temperature range (storage)</i>	-20 °C to + 40 °C
<i>Humidity</i>	<i>non-condensating humidity</i>