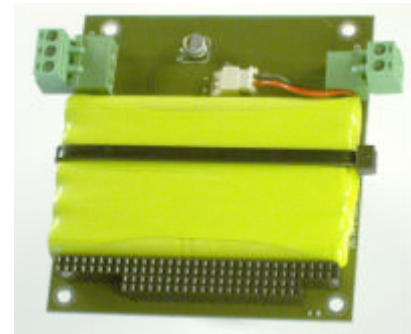


Micronix PV-1075

- PC/104 NiMH Battery pack with built-in charger, 500mAh capacity and timer controlled battery protection!



Micronix PV-1075 is a back-up module with Nickel-Metal-Hydride batteries and integrated charger. Protecting your embedded PC or system against power failures has never been easier. PV-1075 is designed to support the Micronix PV-5127, a high power PC/104 UPS power supply.

Micronix PV-1075 is a high capacity battery pack for your PC/104 system. An integrated timer controls the charging modes: standard charge and trickle charge. This timer also has the purpose to avoid overcharging.

PV1075 will withstand extended temperatures and the shock and vibration of mobile equipment.

Micronix PV-1075 Features

- NiMH battery pack on the PC/104 bus
- 18 to 36 VDC input range
- 500mAh capacity
- Intelligent Battery charger supports NiMh
- Automatic charging modes, standard charge and trickle charge
- Timer controlled battery protection
- Highly compact, PC/104 compliant
- Wide temperature range: 0° to +70°C
- Low cost
- Optimised for use with PV-5127

Specifications:

Input voltage:	18-36V, operational	Environmental	
Battery:		Standard charge	0° to 70° C
Battery type:	Nickel Metal Hydride, NiMH	Storage temperature	-20° to 30° C
Battery capacity:	500mAh	Discharge:	-10° to +70°C
Battery voltage:	+12Vdc, nominal	Humidity	20 to 90% non-condensing
Battery Charger:		Cyclic humidity:	ETS 300 019-2-5 or equal
Standard charge mode:	50mA, 12 hrs	Vibration:	10-1000 Hz Sinus and random @ 1-1,5G RMS
Trickle charge mode:	25mA, continuous	Sustained vibration:	EN 60068-2-34 & 60068-2-36
Continuous discharge:	<1500 mA	Shock:	IEC 60068-2-27 & 60068-2-29
Battery protection:	Timer controlled	Weight:	185 g
		Size (WxLxH)	90 x 96 x 15 mm

For further information on the battery cells, please refer to the cell specification next page.

Ordering codes

Model no.	Description
PV-1075-S	NiMH PC/104 battery pack with integrated charger and 500mAh capacity, stackthrough connector

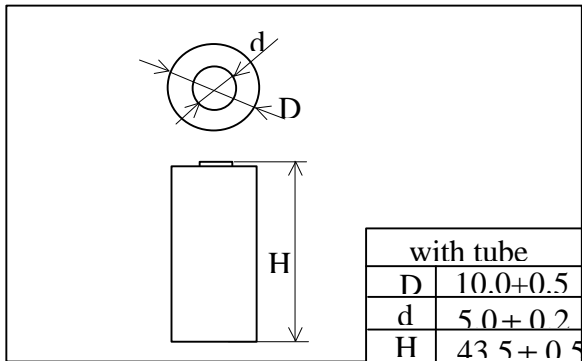


Micro Technic A-S • Denmark • Tel. +45 6615 3000 • Fax. +45 6615 3077
Email: sales@micro-technic.com • Website: www.micro-technic.com

Micronix PV-1075 Ni-MH BATTERY CELL SPECIFICATION

AAA50T (HR11/44T)

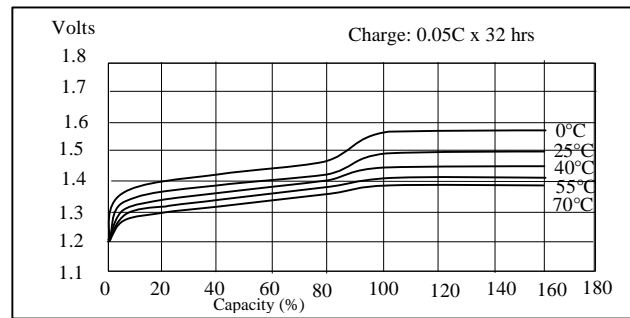
Dimensions (mm)



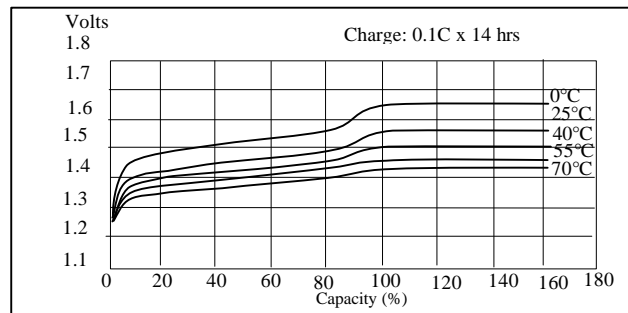
Nominal Voltage:	1.2V
Nominal Capacity:	500 mAh
Standard Charge:	50mA, 14 hrs
Trickle Charge:	25mA, 32 hrs
Durable Overcharge Life:	5 years (Trickle Charge)
Continuous Discharge :	less than 1500 mA
Weight:	11.5 g (Approx)
Internal Resistance:	30 mO(Approx)
Ambient Temperature:	Standard charge : 0 ~ 70°C
	Discharge: -10 ~ 70°C
Store:	Less than six months: -20~35°C
	Less than one years: -20~30°C

Note:

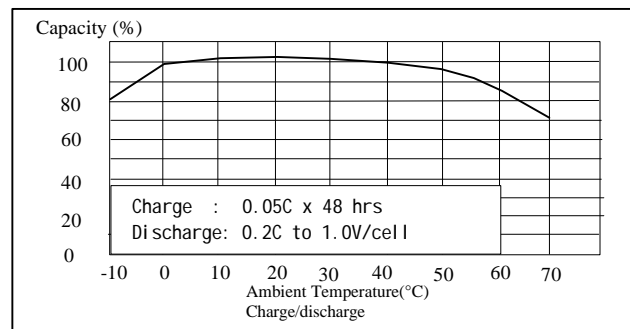
After charge at 0.1C for 14 hrs and discharge at 0.2C to 1.0V at 25°C



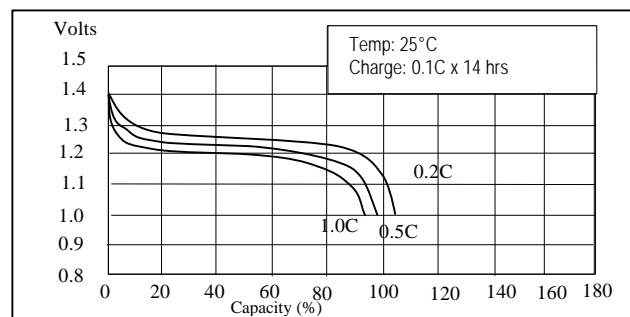
0.05C Rate Charging Curves



0.1C Rate Charging Curves



Charging Efficiency



1.0C/0.5C/0.2C Rate Discharging Curves



Micro Technic A-S • Denmark • Tel. +45 6615 3000 • Fax. +45 6615 3077

Email: sales@micro-technic.com • Website: www.micro-technic.com