



# NiMH & NiCd

## Battery Packs for Cordless Phone

# GP Cordless Phone Battery Packs Configurations

## Designation System For Battery Packs

Button Type Example : GP320BVH3T1H (T114M)

|          |                             |   |                    |
|----------|-----------------------------|---|--------------------|
| GP320BVH | Cell model number           | 1 | Tag type code      |
| 3        | Number of cells in a pack   | H | Tag direction code |
| T        | Standard configuration code |   |                    |

For battery packs with connectors, the **last two characters** will be used to specify connector type.  
eg. GP320BVH3TMU / GP60AAS3BMU

Cylindrical Type Example : GP60AAS3B1P (T109)

|         |                             |   |                    |
|---------|-----------------------------|---|--------------------|
| GP60AAS | Cell model number           | 1 | Tag type code      |
| 3       | Number of cells in a pack   | P | Tag direction code |
| B       | Standard configuration code |   |                    |

## Standard Configuration Codes

Button Type :



**CODE : A**  
Cells stacked in a vertical column



**CODE : E**  
One cell centered on top of 2 cells or 2 columns of cells



**CODE : S**  
Cells stacked in multiple columns and layers



**CODE : U**  
Cells stacked in ladder shape



**CODE : Y**  
Cells arranged in a horizontal rectangle



**CODE : B**  
Cells arranged in a row



**CODE : G**  
Cells stacked in 2 vertical columns of unequal number of cells



**CODE : T**  
Cells arranged in a horizontal triangle



**CODE : W**  
Cells arranged in horizontal zig-zag rows (in one or more layers)

Cylindrical Type :



**CODE : A**  
Cells stacked in a vertical column



**CODE : B**  
Cells arranged in a row



**CODE : G**  
Cells stacked in 2 vertical columns of unequal number of cells



**CODE : S**  
Cells stacked in multiple columns and layers



**CODE : T**  
Cells arranged in a horizontal triangle



**CODE : W**  
Cells arranged in horizontal zig-zag rows (in one or more layers)



**CODE : Y**  
Cells arranged in a horizontal rectangle





## Tag Type Codes



**CODE : 1**  
Strip solder tag



**CODE : 2**  
PCB solder tag



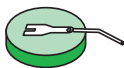
**CODE : 3**  
Double PCB pin at positive terminal and single PCB pin at negative terminal



**CODE : 4**  
Solder wire tag



**CODE : 5**  
Short strip tag



**CODE : 6**  
Lead wire



## Tag Direction Codes



**CODE : P**  
Pointing at 180°



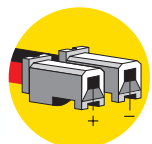
**CODE : H**  
Pointing at the same direction

## Connector Type Specifications

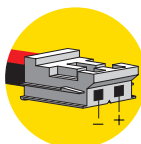
**GP Universal Plug** - exclusively from GP, offers distinctive features unparalleled in the market.  
- U.S. patent no. 5,161,990.

Major Benefits :

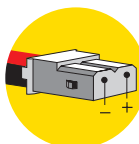
- Compatible with most cordless phone models (interchangeable with Mitsumi, JST, Molex plugs etc.)
- Minimise inventory items
- User friendly



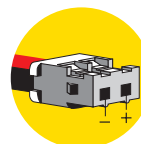
**MU**  
Universal Plug



**MJ**  
JST EHR-2



**ML**  
Molex 5264-02



**MS**  
Mitsumi M63M83-02



# GP NiMH Series



**T113M** Voltage: **3.6V**  
Capacity: **320mAh**  
Configuration: **320BVH3AMU**

For: Sony SPP-50/80/110; Toshiba FT6000/6200;  
Cobra CP468S; GE 29522/5-2109/52201B/9519



**T114M** Voltage: **3.6V**  
Capacity: **320mAh**  
Configuration: **320BVH3T1H**

For: Panasonic KX-T3807/T3822R/T3823R/T4200R;  
Excursion 500; Uniden AE155/156/XE200/300/  
400/500/700; Citizen TF50N/51N/52N;  
Cosmo TR3039/3040



**T115M** Voltage: **3.6V**  
Capacity: **320mAh**  
Configuration: **320BVH3TMU**

For: Panasonic KX-T3807/T3822R/T3823R/T4200R;  
Excursion 500; Uniden AE155/156/XE200/300/  
400/500/700; Citizen TF50N/51N/52N;  
Cosmo TR3039/3040



**T116M** Voltage: **3.6V**  
Capacity: **320mAh**  
Configuration: **320BVH3EMU**

For: Sincoa CP150; Cobra CP480/482



**T117M** Voltage: **4.8V**  
Capacity: **320mAh**  
Configuration: **320BVH4SMU**

For: Uniden XE600; Muraphone MP600/601/800



**T118M** Voltage: **3.6V**  
Capacity: **250mAh**  
Configuration: **250BVH3EMU**

For: Goldatex SX006/008;  
Goldstar GST-1100/1200/GTE3100;  
Skyphone SCP-3000



**T151** Voltage: **4.8V**  
Capacity: **1300mAh**  
Configuration: **130AAM x 4**

NiCd model: **T101**  
For: Panasonic KX-T9000/T9050BH/9050H



**T151L** Voltage: **4.8V**  
Capacity: **600mAh**  
Configuration: **60AAM x 4**

NiCd model: **T101**  
For: Panasonic KX-T9000/T9050BH/9050H



**T153** Voltage: **4.8V**  
Capacity: **1300mAh**  
Configuration: **130AAM x 4**

NiCd model: **T103**  
For: Panasonic KX-T9100/T9150/T9200/T9250/9200



**T153L**

Voltage: **4.8V**  
Capacity: **600mAh**  
Configuration: **60AAM x 4**

**NiCd model: T103**

**For: Panasonic KX-T9100/T9150/T9200/T9250/9200**



**T154**

Voltage: **2.4V**  
Capacity: **300mAh**  
Configuration: **30AAH2BMU**

**NiCd model: T104**

**For: A&A ET496; CGE2-9505/GE2-9505/  
GE9505A/GE9506A; ES2-9506A**



**T155**

Voltage: **3.6V**  
Capacity: **300mAh**  
Configuration: **30AAH3TMU**

**NiCd model: T105**

**For: Sony SPP-50/110/510; Sanyo TH1010; GE 5-2201**



**T156**

Voltage: **3.6V**  
Capacity: **300mAh**  
Configuration: **30AAH3B1P**

**NiCd model: T106**

**For: AT&T HT-3400/4400/4410/5200/5300;  
Sony SPP22H; Sanyo CLT6100/6300;  
Uniden EX2600/2700/8050**



**T157**

Voltage: **3.6V**  
Capacity: **300mAh**  
Configuration: **30AAH3BMU**

**NiCd model: T107**

**For: Panasonic 36/37/38; AT&T HT3400/4310/4410/5300;  
Emerson TEC 3000; Sony SPP-55/65/90;  
Sanyo CAS120/CAS130/CLT440/CLT520/CLT6100/  
CLT6300; C&W CWP 200/CWT 300**



**T158**

Voltage: **4.8V**  
Capacity: **300mAh**  
Configuration: **30AAH4BMU**

**NiCd model: T108**

**For: Panasonic KX-T3820; Audiovox AT-21-B;  
Freedom Phone FF-1500/3000/4000/5000;  
GE1000; GPT AT22; Midland 80-200; Cobra CP91**



**T159**

Voltage: **3.6V**  
Capacity: **600mAh**  
Configuration: **60AAM3B1P**

**NiCd model: T109**

**For: Panasonic KX-T3815/T3821/T3825/T3831/T3842/  
T3845; VA-7020; Sony SPP-100/200/300**



**T160**

Voltage: **3.6V**  
Capacity: **600mAh**  
Configuration: **60AAM3BMU**

**NiCd model: T110**

**For: Panasonic KX-T3806/T3856/T3860/T3865/A36/KZA 36;  
Doro Walk & Talk 970/980; Philips TD 9203/9204/9213/  
9240/9241/9272/9603/9673/9804/9841; Samsung 915;  
Sanyo CLT880/980/982/985/990; Hi Tel 940/950/960**



**T161**

Voltage: **4.8V**  
Capacity: **600mAh**  
Configuration: **60AAM4BMU**

**NiCd model: T111**

**For: Audiovox AT22R; Phone Mate 1120/1121/1140;  
Cobra CP200S/200**

# GP NiMH Series



T162

Voltage: 6.0V  
Capacity: 600mAh  
Configuration: 60AAAM5BMU

NiCd model: T112  
For: AT&T 9100/9120; V Tech 900DL; Superphone CT3000



T163

Voltage: 3.6V  
Capacity: 300mAh  
Configuration: 30AAAMECTMS



T164

Voltage: 3.6V  
Capacity: 300mAh  
Configuration: 30AAAMECTML



T165

Voltage: 3.6V  
Capacity: 300mAh  
Configuration: 30AAAMECTMJ



T166

Voltage: 3.6V  
Capacity: 300mAh  
Configuration: 30AAAMECRMS



T167

Voltage: 3.6V  
Capacity: 300mAh  
Configuration: 30AAAMECRML



T168

Voltage: 3.6V  
Capacity: 300mAh  
Configuration: 30AAAMECRMJ



T169

Voltage: 3.6V  
Capacity: 1300mAh  
Configuration: 130AAM x 3

NiCd model: T119  
For: Panasonic KX-T9300/9500/T9509



T169L

Voltage: 3.6V  
Capacity: 600mAh  
Configuration: 60AAM x 3

NiCd model: T119  
For: Panasonic KX-T9300/9500/T9509



# T170

Voltage: **3.6V**  
Capacity: **600mAh**  
Configuration: **60AAM x 3**

NiCd model: **T120**  
For: Uniden EXP 901



# T171

Voltage: **6.0V**  
Capacity: **600mAh**  
Configuration: **60AAM x 5**

NiCd model: **T121**  
For: Uniden EXP 9100/9200



# T173

Voltage: **3.6V**  
Capacity: **300mAh**  
Configuration: **30AAAMECTMU**

For: Citizen TF50/51/52



# T174

Voltage: **4.8V**  
Capacity: **600mAh**  
Configuration: **60AAM x 4**

NiCd model: **T124**  
For: AT&T 9300



# T176

Voltage: **3.6V**  
Capacity: **1300mAh**  
Configuration: **130AAM x 3**

NiCd model: **T126**  
For: Amstrad CT300; Ascom CTS900; Dancall 6000



# T176L

Voltage: **3.6V**  
Capacity: **600mAh**  
Configuration: **60AAM x 3**

NiCd model: **T126**  
For: Amstrad CT300; Ascom CTS900; Dancall 6000



# T177

Voltage: **3.6V**  
Capacity: **700mAh**  
Configuration: **7M x 3**

For: Samsung SHL200/SPR-914/912/912;  
Doro Walk & Talk; Brondi Tel 3Plus/Club 1.4;  
Telecom Italia Club 1.4



# T179

Voltage: **3.6V**  
Capacity: **300mAh**  
Configuration: **30AAAMECRMU**

For: Citizen TF500; Ronson Pocket LCD



# T182

Voltage: **4.8V**  
Capacity: **600mAh**  
Configuration: **60AAM x 4**

NiCd model: **T132**  
For: AEG Liberty S/C/CA; Alcatel Free; Ascom Dream;  
Telefunken CA6/CC4/CC5/CC6; Stabo ST 955

# GP NiMH Series



T183

Voltage: 3.6V  
Capacity: 300mAh  
Configuration: 30AAAMECP



T184

Voltage: 3.6V  
Capacity: 360mAh  
Configuration: 36NHECSMU



T185

Voltage: 3.6V  
Capacity: 360mAh  
Configuration: 36NHECSMS



T186

Voltage: 3.6V  
Capacity: 360mAh  
Configuration: 36NHECSML



T187

Voltage: 3.6V  
Capacity: 360mAh  
Configuration: 36NHECSMJ



T188

Voltage: 3.6V  
Capacity: 1300mAh  
Configuration: 130AAM x 3

NiCd model: T138  
For: Siemens Megaset 940/950/960; Telecom Italia Megaset 940



T188L

Voltage: 3.6V  
Capacity: 600mAh  
Configuration: 60AAM x 3

NiCd model: T138  
For: Siemens Megaset 940/950/960;  
Telecom Italia Megaset 940



T189

Voltage: 3.6V  
Capacity: 600mAh  
Configuration: 60AAM x 3

NiCd model: T139  
For: V Tech 910ADL



T190

Voltage: 3.6V  
Capacity: 1300mAh  
Configuration: 130AAM x 3

NiCd model: T140  
For: Samsung Topline 200/300; Telecom Italia Oasi;  
Telecom VIP Club; Brondi Oasi





**T190L**

Voltage: **3.6V**  
Capacity: **600mAh**  
Configuration: **60AAM x 3**

**NiCd model: T140**

**For:** Samsung Topline 200/300; Telecom Oasi;  
Telecom VIP Club; Brondi Oasi



**T191**

Voltage: **3.6V**  
Capacity: **600mAh**  
Configuration: **60AAAH x 3**

**NiCd model: T141**

**For:** Ericsson DECT DT360



**T192**

Voltage: **3.6V**  
Capacity: **650mAh**  
Configuration: **65AAAH x 3**

**NiCd model: T142**

**For:** Sony SPP75/77/95/97/115/170/190/320/1010/2010/  
2100/8500/8700/560F/860F/FX880/L100/L338/S20/  
X30/X90/A5000/3000/4050/BP-T40; Uniden Ciao



**T193**

Voltage: **3.6V**  
Capacity: **600mAh**  
Configuration: **60AAM x 3**

**NiCd model: T143**

**For:** Panasonic KX-T910/TC900B/TC900W/TC910B/  
TC919B/TC940B/TC940W/TC970W/TT970W



**T194**

Voltage: **1.2V x 2**  
Capacity: **600mAh**  
Configuration: **60AAHC x 2**

**NiCd model: T144**

**For:** Panasonic KX-TC920; Telecom DECT Top;  
Philips Onis/KALA D6120/6523;  
Siemens Gigaset 2011; Swatch DECT



**T195**

Voltage: **3.6V**  
Capacity: **300mAh**  
Configuration: **30AAAMECL**



**T196**

Voltage: **3.6V**  
Capacity: **360mAh**  
Configuration: **36NHECP**



**T197**

Voltage: **3.6V**  
Capacity: **550mAh**  
Configuration: **55AAAH x 3**



**T198**

Voltage: **3.6V**  
Capacity: **650mAh**  
Configuration: **65AAAH x 3**

**For:** Dancall DECT 8200/8400/8500/8600/PINO

# GP NiMH Series



**T199**

Voltage: **1.2V x 3**  
Capacity: **600mAh**  
Configuration: **60AAAH x 3**

For: Grundig CP870/CP870AM; Hi-Tel 1810



**T200**

Voltage: **1.2V x 2**  
Capacity: **1300mAh**  
Configuration: **130AAHC x 2**

**NiCd model: T144**  
For: Panasonic KX-TCD920; Telecom DECT Top;  
Philips Onis/KALA D6120/6523;  
Siemens Gigaset 2011; Swatch DECT;



**T206**

Voltage: **3.6V**  
Capacity: **1300mAh**  
Configuration: **130AAM x 3**

**NiCd model: T205**  
For: Doro Walk & Talk 1000; Master Veraphone Ulisse



**T206L**

Voltage: **3.6V**  
Capacity: **600mAh**  
Configuration: **60AAM x 3**

**NiCd model: T205**  
For: Doro Walk & Talk 1000; Master Veraphone Ulisse



**T250**

Voltage: **3.6V**  
Capacity: **600mAh**  
Configuration: **60AAH x 3**

For: Doro Walk & Talk 960



**T266**

Voltage: **2.4V**  
Capacity: **700mAh**  
Configuration: **7M2BZ**

For: Siemens Gigaset 2000L/2011 Pocket



**T290**

Voltage: **2.4V**  
Capacity: **1500mAh**  
Configuration: **150AAM x 2**

For: V Tech VT2420/VT2431/VT2461



**T357**

Voltage: **3.6V**  
Capacity: **700mAh**  
Configuration: **70AAAH x 3**

For: KX-TGA271/272





# GP NiCd Series



**T101**

Voltage: **4.8V**  
Capacity: **600mAh**  
Configuration: **60AAS x 4**

**NiMH model: T151/T151L**  
**For: Panasonic KX-T9000/T9050BH/9050H**



**T102**

Voltage: **3.6V**  
Capacity: **180mAh**  
Configuration: **18AAK x 3**

**For: Panasonic KX-T3000BR**



**T103**

Voltage: **4.8V**  
Capacity: **600mAh**  
Configuration: **60AAS x 4**

**NiMH model: T153/T153L**  
**For: Panasonic KX-T9100/T9150/T9200/T9250/9200**



**T104**

Voltage: **2.4V**  
Capacity: **300mAh**  
Configuration: **30AAK2BMU**

**NiMH model: T154**  
**For: A&A ET496; CGE2-9505/GE2-9505/  
GE9505A/GE9506A; ES2-9506A**



**T105**

Voltage: **3.6V**  
Capacity: **300mAh**  
Configuration: **30AAK3TMU**

**NiMH model: T155**  
**For: Sony SPP-50/110/510; Sanyo TH1010; GE 5-2201**



**T106**

Voltage: **3.6V**  
Capacity: **300mAh**  
Configuration: **30AAK3B1P**

**NiMH model: T156**  
**For: AT&T HT-3400/4400/4410/5200/5300; Sony SPP22H;  
Sanyo CLT6100/6300; Uniden EX2600/2700/8050**



**T107**

Voltage: **3.6V**  
Capacity: **300mAh**  
Configuration: **30AAK3BMU**

**NiMH model: T157**  
**For: Panasonic 36/37/38; AT&T HT3400/4310/4410/5300;  
Emerson TEC 3000; Sony SPP-55/65/90;  
Sanyo CAS120/CAS130/CLT440/CLT520/  
CLT6100/CLT6300; C&W CWP 200/CWT 300**



**T108**

Voltage: **4.8V**  
Capacity: **300mAh**  
Configuration: **30AAK4BMU**

**NiMH model: T158**  
**For: Panasonic KX-T3820; Audiovox AT-21-B;  
Freedom Phone FF-1500/3000/4000/5000; GE1000;  
GPT AT22; Midland 80-200; Cobra CP91**



**T109**

Voltage: **3.6V**  
Capacity: **600mAh**  
Configuration: **60AAS3B1P**

**NiMH model: T159**  
**For: Panasonic KX-T3815/T3821/T3825/T3831/T3842/T3845;  
VA-7020; Sony SPP-100/200/300**



## T110

Voltage: **3.6V**  
Capacity: **600mAh**  
Configuration: **60AAS3BMU**

**NiMH model: T160**

**For:** Panasonic KX-T3806/T3856/T3860/T3865/A36/KZA 36; Doro Walk & Talk 970/980; Philips TD 9203/9204/9213/9240/9241/9272/9603/9673/9804/9841; Samsung 915; Sanyo CLT880/980/982/985/990; Hi Tel 940/950/960



## T111

Voltage: **4.8V**  
Capacity: **600mAh**  
Configuration: **60AAS4BMU**

**NiMH model: T161**

**For:** Audiovox AT22R; Phone Mate 1120/1121/1140; Cobra CP200S/200



## T112

Voltage: **6.0V**  
Capacity: **700mAh**  
Configuration: **70AAS5BMU**

**NiMH model: T162**

**For:** AT&T 9100/9120; V Tech 900DL; Suprephone CT3000



## T119

Voltage: **3.6V**  
Capacity: **600mAh**  
Configuration: **60AAS x 3**

**NiMH model: T169/T169L**

**For:** Panasonic KX-T9300/9500/T9509



## T120

Voltage: **3.6V**  
Capacity: **600mAh**  
Configuration: **60AAS x 3**

**NiMH model: T170**

**For:** Uniden EXP 901



## T121

Voltage: **6.0V**  
Capacity: **600mAh**  
Configuration: **60AAS x 5**

**NiMH model: T171**

**For:** Uniden EXP 9100/9200



## T122

Voltage: **3.6V**  
Capacity: **180mAh**  
Configuration: **18AAK x 3**

**For:** Panasonic KX-T4000



## T124

Voltage: **4.8V**  
Capacity: **600mAh**  
Configuration: **60AAS x 4**

**NiMH model: T174**

**For:** AT&T 9300



## T126

Voltage: **3.6V**  
Capacity: **950mAh**  
Configuration: **95AAS x 3**

**NiMH model: T176/T176L**

**For:** Amstrad CT300; Ascom CTS900; Dancall 6000

# GP NiCd Series



**T130**

Voltage: **3.6V**  
Capacity: **700mAh**  
Configuration: **70AFK x 3**

For: Hagenuk ST9000 PX;  
Telecom Italia Ellepi Pocket



**T132**

Voltage: **4.8V**  
Capacity: **600mAh**  
Configuration: **60AAS x 4**

NiMH model: **T182**  
For: AEG Liberty S/C/CA; Alcatel Free; Ascom Dream;  
Telefunken CA6/CC4/CC5/CC6; Stabo ST 955



**T138**

Voltage: **3.6V**  
Capacity: **600mAh**  
Configuration: **60AAS x 3**

NiMH model: **T188/T188L**  
For: Siemens Megaset 940/950/960;  
Telecom Italia Megaset 940



**T139**

Voltage: **3.6V**  
Capacity: **600mAh**  
Configuration: **60AAS x 3**

NiMH model: **T189**  
For: V Tech 910ADL



**T140**

Voltage: **3.6V**  
Capacity: **700mAh**  
Configuration: **70AAS x 3**

NiMH model: **T190/T190L**  
For: Samsung Topline 200/300; Telecom Italia Oasi;  
Telecom VIP Club; Brondi Oasi



**T141**

Voltage: **3.6V**  
Capacity: **300mAh**  
Configuration: **30AAAK x 3**

NiMH model: **T191**  
For: Ericsson DECT DT360



**T142**

Voltage: **3.6V**  
Capacity: **300mAh**  
Configuration: **30AAAK x 3**

NiMH model: **T192**  
For: Sony SPP75/77/95/97/115/170/190/320/1010/2010/  
2100/8500/8700/560F/860F/FX880/L100/L338/S20/  
X30/X90/A5000/3000/4050/BP-T40; Uniden Ciao



**T143**

Voltage: **3.6V**  
Capacity: **600mAh**  
Configuration: **60AAS x 3**

NiMH model: **T193**  
For: Panasonic KX-T910/TC900B/TC900W/TC910B/  
TC919B/TC940B/TC940W/TC970W/TT970W



**T144**

Voltage: **1.2V x 2**  
Capacity: **600mAh**  
Configuration: **60AAKC x 2**

NiMH model: **T194/T200**  
For: Panasonic KX-TCD920; Telecom DECT Top;  
Philips Onis/KALA D6120/6523;  
Siemens Gigaset 2011; Swatch DECT



**T201**

Voltage: **3.6V**  
Capacity: **600mAh**  
Configuration: **60AAS x 3**

For: V Tech 910ADL



**T205**

Voltage: **3.6V**  
Capacity: **600mAh**  
Configuration: **60AAS x 3**

NiMH model: **T206/T206L**  
For: Doro Walk & Talk 1000; Master Veraphone Ulisse



**T251**

Voltage: **3.6V**  
Capacity: **400mAh**  
Configuration: **40AAK x 3**

For: Brondi Fly/Mini Fly/Fly LCD/Fly DECT



**T265**

Voltage: **3.6V**  
Capacity: **600mAh**  
Configuration: **60AAS x 3**

For: Toshiba FT-8908



**T272**

Voltage: **3.6V**  
Capacity: **600mAh**  
Configuration: **60AAS x 3**

For: V Tech VT1711/1721/1733/1922/1932/1962/  
2932/2962/9108/9111/9112/9115/9151/9241



**T275**

Voltage: **3.6V**  
Capacity: **600mAh**  
Configuration: **60AAS x 3**

For: Thomson IDT 5-2432, GE 2-9917



**T276**

Voltage: **3.6V**  
Capacity: **600mAh**  
Configuration: **60AAS x 3**

For: Sony SPP-9000/9001/9101



**T339**

Voltage: **3.6V**  
Capacity: **950mAh**  
Configuration: **95AAS x 3**

For: Panasonic KX-TG2205/2215/2217/2222/2237/2247/  
2257/2267/2287; KX-TGA2705

# GP Batteries

## WORLDWIDE HEADQUARTERS

Hong Kong

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E-mail address : gpil@goldpeak.com Website : <http://www.gpbatteries.com.hk>

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