Battery-Pack Specification Checklist

Fill in the blanks below to determine specifications when making inquiries or when ordering batteries.

1. Battery-Pack: General
   1) Schedule: (1) Completion of design evaluation: Month:____ Year:____
      (2) Completion of mass production evaluation: Month:____ Year:____
      (3) Start of delivery: Month:____ Year:____
   2) Number of units: _____ k packs per month (Total volume:_____ k packs)
   3) Delivery Destination: (1) Domestic (2) Overseas (Name of country:____)
   4) Operating Temperature: (1) Standard (where the standard is 0˚C to 45˚C)
      (2) Custom (_____˚C to _____˚C)
   5) Ambient Humidity: (1) Standard (where standard is 45 to 85%, non-condensing)
      (2) Custom (_____% to _____%)
   6) Special Conditions for Use: (1) No (2) Yes ((1) Automotive (2) Outdoors (3) Other (_____________))
   7) Applicable Specifications: (1) Electrical Appliance and Material Safety Law (2) UL (3) Other (_____________)
   8) Applicable Recipient: (1) Customer (2) Panasonic (3) Other (_____________)
   9) Application: (1) Portable telephone (2) AV equipment (_____________)
      (3) Personal computer (4) Other (_____________)
   10) FG (Fuel Gauge) (1) Required (2) Not required (if required, fill in item 3)

2. Battery-Pack Basic Specifications
   1) Battery-Pack Configuration: (1) Hard case (2) Soft pack (3) Other (_____________)
   2) Battery-Pack Materials: Specify (____)
   3) Battery & Structure Used: Please see P.33-34
      (____ P x ____ S)
   4) Rated Capacity: _____mAh
   5) Charging Method: (1) Fast (2) Standard (3) Other (_____________)
   6) Charge Current: _____A
   7) Charge Time: _____hours
   8) Discharge Ending Voltage: _____V
   9) Thermistor: (1) Standard (Present/Absent) (Standard: 10 KΩ, 25˚C) (2) Other (_____________)
   10) Drop Strength: (1) Present (_____ cm) (2) Absent
   11) Flame Retardants Requirements: (1) Present (_____ cm) (2) Absent
   12) Dimensions: _____ width x _____ length x _____ height mm or less
   13) Weight: _____ g or less
   14) Label: (1) Not required (2) Required (Details of label specified elsewhere.)
   15) Terminal Configuration: (_____________)

3. Fuel Gauge Specifications
   1) Range of load currents: (_____ mA to _____ mA)
   2) Load current waveform: (1) Wave height _____ mA (2) Conductive period _____ mSec
      (3) Stop period _____ mSec
   3) Accuracy: (1) ± 10% (2) ± 5% (3) Other (_____________)
   4) Display method: (1) LED (2) Communications
      (3) LED and communications (communications method ________________)
   5) Mode change (1) Not required (2) Required (Modes (suspend, etc.) (1) ______ (2) ________)
   6) Communications data: (1) Remainder (2) Voltage (3) Current (4) Temperature
      (5) ID code (6) Other (_____________)
   7) Charge function (1) Not required (2) Required
Charger Specification Checklist

Fill in the blanks below to determine specifications when making inquiries or when ordering.

1. General
   1) Start of Delivery: Month:___ Year:___ Number of units: ____ per month
      (Total volume: __________ units)
   2) Delivery Destination: (1) Domestic (2) Overseas (Name of country: ____________________)
   3) Operating Temperature: (1) Standard (where standard is 0˚C to 45˚C)
      (2) Custom (_____ ˚C to _____ ˚C)
   4) Ambient Humidity: (1) Standard (where standard is 45 to 85%, non-condensing)
      (2) Custom (_____ % to _____ %)
   5) Special Conditions for Use: (1) No (2) Yes ((1) Automotive (2) Outdoors (3) Other (______________________))
   6) Applicable Specifications: (1) Electrical Appliance and Material Safety Law (2) UL (3) Other (__________)
   7) Applicable Recipient: (1) Customer (2) Panasonic (3) Other (_________________________)
   8) Application: (1) Portable telephone (2) AV equipment (__________________________)
      (3) Personal computer (4) Other (___________________________________________)

2. Basic Specifications
   1) Battery-Pack Compatibility: Please see P.33-34
      (___ P x ___ S)
   2) Charging Method: (1) Fast (2) Standard (3) Other (____________________________________)
   3) Charge Current: _____ A (Consult Panasonic regarding charging conditions.)
   4) Charge Time: _____ hours
   5) Charger Model: (1) Pocket type (2) 1 Unit (3) 2 Units (4) Other (_______________)
   6) Display LED: No. of Units: __________
   7) Power Supply Voltage: _____ V/____ Hz (Range of Fluctuation: _____ V to _____ V/____ Hz to ____Hz)
   8) Drop strength: ______ cm
   9) Dimensions: ______ width x ______ length x ______ height mm or less
   10) Weight: ______ g or less
   11) Label: (1) Not required (2) Required (Details of label _______________________

Please see P.33-34