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SPEC. NO.	KL2494B.082	ISSUE DATE	2008-11-07		
DESCRIPTION	Lithium Ion Battery (model No.KL2494B.082)	EDITION	0	PAGE	1/5

1. Applicability

The specification is applicable to PortaPower Lithium Ion Rechargeable batteries (PortaPower model no. : KL2494B.082).

2. Ratings

2.1 Cell

- 2.1.1 Type of Cell : Sealed Lithium-ion cylindrical Rechargeable battery
- 2.1.2 Cell Model : Panasonic CGR-B/T46SE (CGR18650CG)
- 2.1.3 Cell Size : 18650
- 2.1.4 Cell Rated capacity : 2250mAh
- 2.1.5 Cell Minimum capacity : 2150mAh
- 2.1.6 Number of cell used : 4P7S (28PCS)
- 2.1.7 Cell UL Number : MH12210

2.2 Pack

- 2.2.1 Rated voltage : 25.2V
- 2.2.2 Typical capacity : 9000 mAh (227Wh)
- 2.2.3 Minimum capacity : 8600 mAh (217Wh) (0.2C charging & 0.2C discharging)
- 2.2.4 Standard charge : 1720mA x 8hours to 29.4V
- 2.2.5 Quick charge current : 2000mA to 29.4V (440mA end)
- 2.2.6 Standard discharge : 1720mA (discharge end of 21.0V)
- 2.2.7 Maximum discharge current : 13000mA
- 2.2.8 Maximum charging voltage : 29.75V
- 2.2.9 Battery Pack Color : Black
- 2.2.10 Fit Model : 24V E-Bike
- 2.2.11 PCB feature : Overcharge, Secondary protection
Overdischarge, Over current protection
Cell balancing,
Temperature protection
- 2.2.12 Material of Case : Plastic (ABS+PC UL V-0VA)
- 2.2.13 Operating temperature : 0 - 45°C (standard charge)
10 - 45°C (quick charge)
-20 - 60°C (standard discharge)
- 2.2.14 Storage temperature : -20 - 50°C (1 week)
-20 - 35°C (6 months)