

EEStor, Inc.

Respectfully Submitted to:

Black and Decker

Attn:

Mr. David Shaver

Preliminary product specifications and estimated OEM prices: Ceramic batteries

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*EES*tor, Inc.

Preliminary Ceramic Battery Specifications

*EES*U 24V-BDHD

- DC Output Voltage: 24VDC +/-0.5%
- Output Current: 20A continuous
- Output Current Transient: *80A for 2 seconds maximum
- Output Current Protection: fast opening fuse
- Volume: $9.44 \times 10^5 \text{ mm}^3$ (101.6 mm cubed)
- Weight: 2.2 kg
- Energy Storage: 26.7 A•hrs
- 100% Deep Cycle Usage: 10^6 Cycles
- Charging Time (0 to 100%): 90 seconds
- Operating Temperature Range: -40° C to 49° C
 - Includes ultra fast charging
- Maximum Storage Temperature: 150° C
- Certification: UL and European Standard
- Estimated Price
 - Low Volume (50k/year): \$ ██████
 - High Volume (500k/year): \$ ██████

* Time can be extended with a slight increase in the OEM price. At the end of the 2 seconds the output current will revert to the 20A level, if maximum power is required. If the unit power is terminated for 4 seconds, and then reapplied, 80A power can be applied for another two seconds if required.

EESU 24V-BDMD

- DC Output Voltage: 24VDC +/-0.5%
- Output Current: 20A continuous
- Output Current Transient: *80A for 2 seconds maximum
- Output Current Protection: fast opening fuse
- Volume: $713 \times 10^5 \text{ mm}^3$
- Weight: 1.68 kg
- Energy Storage: 20.2 A•hrs
- 100% Deep Cycle Usage: 10^6 Cycles
- Charging Time (0 to 100%): 68 seconds
- Operating Temperature Range: -40° C to 49° C
 - Includes ultra fast charging
- Maximum Storage Temperature: 150° C
- Certification: UL and European Standard
- Estimated Price
 - Low Volume (50k/year): \$ ████████
 - High Volume (500k/year): \$ ████████

* Time can be extended with a slight increase in the OEM price. At the end of the 2 seconds the output current will revert to the 20A level, if maximum power is required. If the unit power is terminated for 4 seconds, and then reapplied, 80A power can be applied for another two seconds if required.

EESU 24V-BDDL

- DC Output Voltage: 24VDC +/-0.5%
- Output Current: 20A continuous
- Output Current Transient: *80A for 2 seconds maximum
- Output Current Protection: fast opening fuse
- Volume: $4.82 \times 10^5 \text{ mm}^3$
- Weight: 1.14 kg
- Energy Storage: 13.62 A•hrs
- 100% Deep Cycle Usage: 10^6 Cycles
- Charging Time (0 to 100%): 46 seconds
- Operating Temperature Range: -40° C to 49° C
 - Includes ultra fast charging
- Maximum Storage Temperature: 150° C
- Certification: UL and European Standard
- Estimated Price
 - Low Volume (50k/year): \$ ████████
 - High Volume (500k/year): \$ ████████

* Time can be extended with a slight increase in the OEM price. At the end of the 2 seconds the output current will revert to the 20A level, if maximum power is required. If the unit power is terminated for 4 seconds, and then reapplied, 80A power can be applied for another two seconds if required.