DUAK
Smart Energy Solution

Energy Storage for a Greener Tomorrow

Lithium Energy Storage Battery

Product Catalogue



High Safety | Long Cycle Life | High Efficiency | Low Maintenance



Energy Storage Battery Series

12.8V 100Ah	12.8V 200Ah	24V 105Ah	48V 105Ah	96V 200Ah	121.6V 210Ah	192V 105Ah	240V 105Ah

Solar Energy Storage | UPS / Backup Power | Telecom Backup | Industrial Power | Residential Energy Storage

DUAK ENERGY PVT. LTD.

Product Catalogue

DUAK
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Energy Storage for a Greener Tomorrow



Lithium Battery Series

High Performance $LiFePO_4$ Battery for Solar, Renewable & Backup Applications

- Long Cycle Life
- High Safety
- High Efficiency
- Low Maintenance

12.8V 100Ah Lithium Battery



Technical Specifications

Nominal Capacity (0.2C5A)	100 Ah
Nominal Voltage	12.8 V
Max. Charge Voltage	14.6 V
Discharge Cut-off Voltage	10.0 V
Continuous Charge Current	Max. 25 A @25°C
Continuous Discharge Current	Max. 50 A @25°C
Peak Discharge Current	100 A @25°C
Charging Method & Time	CC-CV, About 4H
Load Power	< 1000 W
Battery Dimension (L × W × H)	330 × 230 × 165 mm
Working Temperature	Charge : 0 °C ~ 45°C Discharge : -20°C ~ 60°C Storage : -10°C ~ 45°C
Weight (Approx.)	≈ 12 kg

12.8V 200Ah Lithium Battery



Technical Specifications

Nominal Capacity (0.2C5A)	200 Ah
Nominal Voltage	12.8 V
Max. Charge Voltage	14.6 V
Discharge Cut-off Voltage	10.0 V
Continuous Charge Current	Max. 50 A @25°C
Continuous Discharge Current	Max. 50 A @25°C
Peak Discharge Current	100 A @25°C
Charging Method & Time	CC-CV, About 4H
Load Power	< 2000 W
Battery Dimension (L × W × H)	290 × 230 × 270 mm
Working Temperature	Charge : 0 °C ~ 45°C Discharge : -20°C ~ 60°C Storage : -10°C ~ 45°C
Weight (Approx.)	≈ 23 kg

Applications

- Solar Energy Storage
- UPS / Backup Power
- Telecom Backup
- Industrial Power
- Residential Energy Storage

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24V 105Ah Lithium Battery

Technical Specifications

Nominal Capacity (0.2C5A)	105 Ah
Nominal Voltage	25.6 V
Max. Charge Voltage	28.6 V
Discharge Cut-off Voltage	22 V
Continuous Charge Current	Max. 25 A @25°C
Continuous Discharge Current	Max. 50 A @25°C
Peak Discharge Current	100 A @25°C
Charging Method & Time	CC-CV, About 4H
Load Power	< 1000 W
Battery Dimension (L × W × H)	300 × 270 × 255 mm
Working Temperature	Charge : 0°C ~ 45°C Discharge : -20°C ~ 60°C Storage : -10°C ~ 45°C
Weight (Approx.)	≈ 23 kg

48V 105Ah Lithium Battery

Technical Specifications

Nominal Capacity (0.2C5A)	105 Ah
Nominal Voltage	48 V
Max. Charge Voltage	54.6 V
Discharge Cut-off Voltage	44 V
Continuous Charge Current	Max. 25 A @25°C
Continuous Discharge Current	Max. 50 A @25°C
Peak Discharge Current	100 A @25°C
Charging Method & Time	CC-CV, About 4H
Load Power	< 3000 W
Battery Dimension (L × W × H)	290 × 230 × 100 mm
Working Temperature	Charge : 0°C ~ 45°C Discharge : -20°C ~ 60°C Storage : -10°C ~ 45°C
Weight (Approx.)	≈ 30 kg

Applications

- Solar Energy Storage
- UPS / Backup Power
- Telecom Backup
- Industrial Power
- Residential Energy Storage

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Lithium Battery Series

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96V 200Ah Lithium Battery

Technical Specifications

Nominal Capacity (0.2C5A)	200 Ah
Nominal Voltage	96 V
Max. Charge Voltage	106 V
Discharge Cut-off Voltage	90 V
Continuous Charge Current	Max. 50 A @25°C
Continuous Discharge Current	Max. 100 A @25°C
Peak Discharge Current	200 A @25°C
Charging Method & Time	CC-CV, About 4H
Load Power	< 5000 W
Battery Dimension (L × W × H)	550 × 550 × 1030 mm
Working Temperature	Charge : 0°C ~ 45°C Discharge : -20°C ~ 60°C Storage : -10°C ~ 45°C
Weight (Approx.)	180 Kg



121.6V 210Ah Lithium Battery

Technical Specifications

Nominal Capacity (0.2C5A)	210 Ah
Nominal Voltage	121.6 V
Max. Charge Voltage	133 V
Discharge Cut-off Voltage	114 V
Continuous Charge Current	Max. 50 A @25°C
Continuous Discharge Current	Max. 100 A @25°C
Peak Discharge Current	200 A @25°C
Charging Method & Time	CC-CV, About 4H
Load Power	< 10000 W
Battery Dimension (L × W × H)	510 × 570 × 970 mm
Working Temperature	Charge : 0°C ~ 45°C Discharge : -20°C ~ 60°C Storage : -10°C ~ 45°C
Weight (Approx.)	280 Kg

Applications

- Solar Energy Storage
- UPS / Backup Power
- Telecom Backup
- Industrial Power
- Residential Energy Storage

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Lithium Battery Series

High Performance $LiFePO_4$ Battery for Solar, Renewable & Backup Applications

- Long Cycle Life
- High Safety
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- Low Maintenance

192V 105Ah Lithium Battery



Technical Specifications

Nominal Capacity (0.2C5A)	105 Ah
Nominal Voltage	192 V
Max. Charge Voltage	205 V
Discharge Cut-off Voltage	180 V
Continuous Charge Current	Max. 25 A @25°C
Continuous Discharge Current	Max. 50 A @25°C
Peak Discharge Current	100 A @25°C
Charging Method & Time	CC-CV, About 4H
Load Power	< 10000 W
Battery Dimension (L × W × H)	510 × 570 × 910 mm
Working Temperature	Charge : 0°C ~ 45°C Discharge : -20°C ~ 60°C Storage : -10°C ~ 45°C
Weight (Approx.)	260 Kg

240V 105Ah Lithium Battery



Technical Specifications

Nominal Capacity (0.2C5A)	105 Ah
Nominal Voltage	240 V
Max. Charge Voltage	260 V
Discharge Cut-off Voltage	230 V
Continuous Charge Current	Max. 25 A @25°C
Continuous Discharge Current	Max. 50 A @25°C
Peak Discharge Current	100 A 55@25°C
Charging Method & Time	CC-CV, About 4H
Load Power	< 15000 W
Battery Dimension (L × W × H)	510 × 510 × 1110 mm
Working Temperature	Charge : 0°C ~ 45°C Discharge : -20°C ~ 60°C Storage : -10°C ~ 45°C
Weight (Approx.)	280 Kg

Applications

- Solar Energy Storage
- UPS / Backup Power
- Telecom Backup
- Industrial Power
- Residential Energy Storage

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DUAK Energy Storage Battery

Company Profile

About DUAK

DUAK is a manufacturer and solution provider of advanced Lithium Energy Storage Batteries, focused on safe, efficient and reliable power solutions for solar, renewable and backup applications.



Core Technology & Protection

- Overcharge Protection
- Over Discharge Protection
- Overcurrent Protection
- Cell Voltage Self Balance

Key Features

- Lithium Iron Phosphate ($LiFePO_4$) Technology
- High Safety & Stability
- Long Cycle Life
- High Energy Efficiency
- Low Maintenance

Product Range Overview



12.8V 100Ah	12.8V 200Ah	24V 105Ah	48V 105Ah	96V 200Ah	121.6V 210Ah	192V 105Ah	240V 105Ah

Applications



- Solar Energy Storage
- UPS / Backup Power
- Telecom Backup
- Industrial Power
- Residential Energy Storage

Manufacturing & Quality



- Advanced Manufacturing Process
- Stringent Quality Testing
- Reliable & Consistent Performance

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