

DBC-LFPB™ Series. Universal battery chargers



DBC1201LFPB
18W 12V
Universal Battery Charger



DBC12406LFPB
100W - 12V and 24V
Universal Battery Charger



DBC12410LFPB
150W 12V and 24V
Universal Battery Charger



DBC-LFPB™ Series – XUNZEL

Carregador universal para baterias recarregáveis de chumbo-ácido Pb (GEL, AGM, Flooded-WET, MF, Calcium) e de íões de lítio (4S e 8S- LiFePO4, Li-Fe, Li-iron, LFP)

Descrição

- A série DBC-LFPB™ são carregadores universais de bateria para dar o melhor desempenho. Faça com que as suas baterias recarregáveis sejam sempre carregadas nas melhores condições.
- Concebidos para otimizar a carga das baterias recarregáveis normais de chumbo-ácido Pb (GEL, AGM, Flooded-WET, MF, Calcium) e de íões de lítio (4S e 8S- LiFePO4, Li-Fe, Li-iron, LFP).
- Carregamento com algoritmo inteligente de multe estágio para um carregamento óptimo e uma maior duração da bateria com compensação de temperatura.
- Carregadores de alta eficiência e muito baixa drenagem (<100A/<0,9W/mês)
- O design silencioso, robusto, compacto e leve permite que se ajuste bem em qualquer espaço.
- Fácil e seguro de usar com grampos de bateria fortes e protegidos.
- Alta Eficiência. Muito baixo autoconsumo. Baseado em microcontrolador, obtenha o máximo das suas baterias.
- Proteções totais: curto-circuito, sobre corrente e polaridade inversa.
- Modelos adequados para sistemas de 12V e 24V.
- Visor de LEDs claros e legíveis para uma leitura fácil e rápida do estado.
- Seguro e fiável. Sistema de Compensação de Temperatura integrado e proteções electrónicas automáticas completas.

PLUS: DBC-LFPB-12406 and DBC-LFPB-12406 models

Algoritmos avançados de carregamento programável com função MODE. Programar primeiro a tecnologia Lead-Acid (Pb) ou Lithium-Iron (LFP) e depois 12/12.8V e 24/25.6V de tensão de carregamento.



Available Models:

- | | | | |
|-------------------------|-----------------|----------------------------------|------|
| • DBC-LFPB-1201 | for 12V | Lead Acid-Pb + Lithium-Iron-LFP | 18W |
| • DBC-LFPB-12406 | for 12V and 24V | Lead Acid-Pb + Lithium-Iron -LFP | 100W |
| • DBC-LFPB-12410 | for 12V and 24V | Lead Acid-Pb + Lithium-Iron -LFP | 150W |

XUNZEL™ reserves the right to make changes and improvements without prior notice.

Industry Leading Technology for Off-Grid, Off-Shore and Backup Power Applications



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Technical Specifications

Model	DBC-LFPB-1201 12V	DBC-LFPB-12406 12/24V	DBC-LFPB-12410 12/24V
Code Part Number	DBC1201LFPB	DBC12406LFPB	DBC12410LFPB
Power	18W	100W	150W
Battery Voltage	12V	12/24V (User Programmable Mode)	
Rechargeable Battery Types	Lead-acid Pb (GEL, AGM, Flooded, WET, MF, Calcium) and Lithium-ion LiFePO ₄ (4S) (Li-Fe, Li-iron, LFP)	Lead-acid Pb (GEL, AGM, Flooded, WET, MF, Calcium) and Lithium-ion LiFePO ₄ (4S and 8S) (Li-Fe, Li-iron, LFP)	
Battery Size (recommended)	min. 1.2Ah, max. 48Ah	min. 14Ah, max. 120Ah	min. 30Ah, max. 290Ah
Input (AC)	100 ~ 240VAC, 50-60Hz, 0.5A max	100 ~ 240VAC, 50-60Hz, 1A max	100 ~ 240VAC, 50-60Hz, 1.6A max
Output (DC)	Normal: 14.4V / 14.6V (min: 13.8V)	User Selectable Mode: ▪ 12V Pb: 14.4V (14.2-14.6V) ▪ 24V Pb: 28.8V (28.6-29.0V) ▪ 12.8V LFP (4S): 14.6V (14.4-14.8V) ▪ 25.6V LFP (8S): 29.2V (29.0-29.4V)	User Selectable Mode: ▪ 12V Pb: 14.4V (14.2-14.6V) ▪ 24V Pb: 28.8V (28.6-29.0V) ▪ 12.8V LFP (4S): 14.6V (14.4-14.8V) ▪ 25.6V LFP (8S): 29.2V (29.0-29.4V)
Charging Current (DC)	1.25A max.	▪ 12V Pb: 5A (4.5-5.5A) ▪ 24V Pb: 3A (2.7-3.3A) ▪ 12.8V LFP (4S): 5A (4.5-5.5A) ▪ 25.6V LFP (8S): 3A (2.7-3.3A)	▪ 12V Pb: 8A (7.5-8.5A) ▪ 24V Pb: 5A (4.5-5.5A) ▪ 12.8V LFP (4S): 8A (7.5-8.5A) ▪ 25.6V LFP (8S): 5A (4.5-5.5A)
Charging Control	LED indicator	LED Display indicators	
Operating Temperature	0°C to +50°C 32°F to +122°F (90%RH non-condensing)	-20°C to +50°C -4°F to +122°F (90%RH non-condensing)	
Storage Temperature	-10°C to +80°C 14°F to +176°F (90%RH non-condensing)	-40°C to +80°C -40°F to +176°F (90%RH non-condensing)	
Cable Length AC-Input	CEE 7/16	120 cm (IEC Global): CEE 7/16 All others available: BS1363 (UK), AS/NZS3112, Plug Type A USA/Japan,...	
Cable Length DC-Output	150 cm 20AWG / 0.5mm ² with alligator clamps	100 cm with alligator clamps	
Dimensions (mm)	70 x 45 x 30	145 x 65 x 36	170 x 86x 44
Weight (g)	100	410	820
Advanced Protections	Reverse Polarity, Output Short Circuit, Overcurrent and Over temperature	Reverse Polarity, Output Short Circuit, Overcurrent Input Current (2A fuse), Output Over voltage, Undervoltage, Over Temperature and Battery Back	
Back current drain	<100µA / <0.9W/month		
Protection Degree	IP23 / Class II	IP54 / Class II	
Certifications Standards	FCC, UKCA, CE, RoHS and REACH Compliant. Safety, Emissions and Immunity: IEC/EN60335-1; IEC/EN55014-1; IEC/EN55014-2; IEC/EN61000-3-3; IEC/EN61000-3-2; IEC/EN60335-2-29; IEC/EN60335-1; IEC/EN62233		

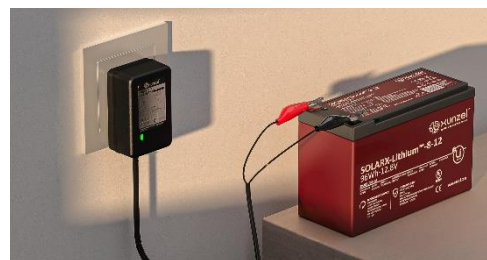
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Model	DBC-LFPB-1201 12V	
Code	DBC1201LFPB	
Part Number		



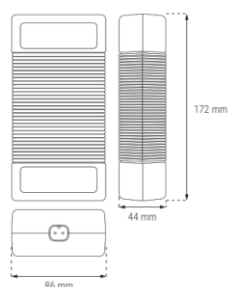
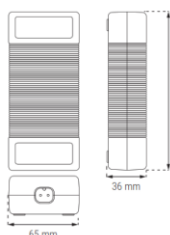
Model	DBC-LFPB-12406 12/24V	DBC-LFPB-12410 12/24V
Code	DBC12406LFPB	DBC12410LFPB
Part Number		



DIMENSIONS

DBC1206LFPB

DBC1210LFPB



DBC-LFPB-12406 | 12/24V

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