

# Cargadores de baterías Battery chargers



Li-Ion / Li-PO / LiFePO<sub>4</sub>



Plomo ácido / Lead acid

## ANEXO

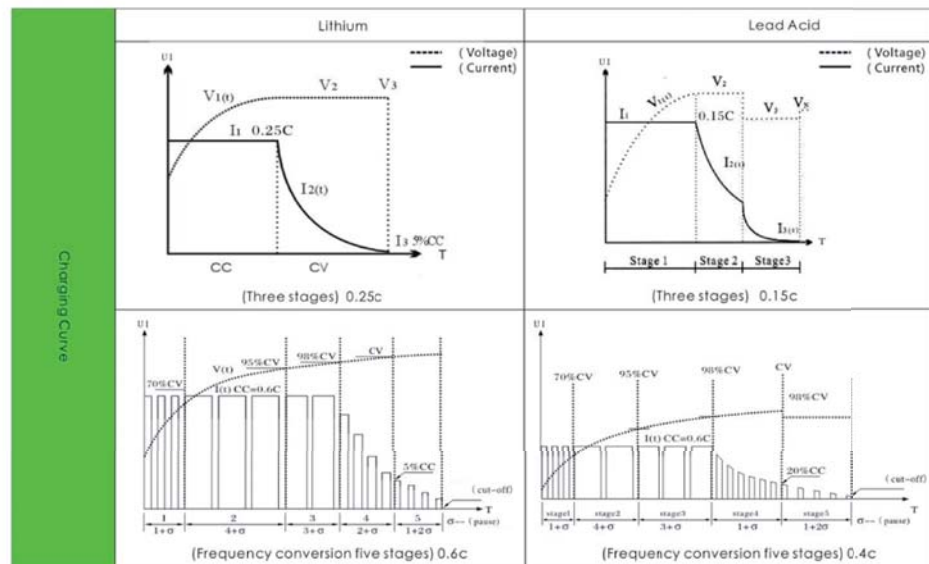
Cargadores de alta potencia  
High power chargers

**Ukai**  
S.A.  
<http://www.ukai.com>



CHARGER LIST

Series	(max)	(mm)	(kg)	15V	30V	45V	60V	75V	180V	360V
30	30W	100×49×35	0.2	2A	1A					
40	40W	118.5×72×41	0.3	3.5A	1.5A	1A	0.8A			
60	60W	135×70×45	0.4	4A	2A	1.5A	1.2A			
90	90W	150×90×50	0.7	5A	3A	2A	1.6A			
120	120W	150×90×50	0.8	6A	3A	3A	2A			
180	180W	160×90×50	0.9	8A	5A	4A	3A			
240	240W	160×90×63	1.0	10A	7A	4.8A	3.8A			
300	300W	210×100×68	1.2	20A	12A	8A	6A	5A		
600	600W	240×120×70	2.5	25A	18A	12A	10A	8A	3A	
900	900W	230×135×70	3	40A	25A	18A	15A	12A	5A	
1,000	1000W	260×150×88	3.5	40A	25A	20A	16A	13A	5.5A	
1,200	1,200W	260×175×90	4.5	50A	35A	20A	18A	15A	6A	3A
1,500	1,500W	300×175×90	5.5	80A	45A	30A	25A	20A	8A	4A
2,000	2,000W	300×175×90	6	100A	60A	40A	30A	25A	10A	5A
3,000	3,000W	330×220×116	8.5	120A	80A	60A	45A	35A	16A	8A
4,000	4,000W	380×240×150	10	150A	100A	75A	60A	50A	22A	11A
5,000	5,000W	450×280×150	15.0	200A	120A	90A	75A	55A	25A	12A
7,000	7,000W	550×280×300	25	250A	150A	120A	140A	110A	50A	25A
9,000	9,000W	550×280×420	40	300A	180A	150A	220A	160A	75A	35A





30W

## FU-CG30

### Specification of Battery Charger

No.	Nominal	CV			CC	Transition/cut-off Current		Net Weight	Size
		Lead Acid	Li-MnO <sub>2</sub>	LiFePO <sub>4</sub>	(A)	Lead Acid (A)	Li (A)	kg	100*49*35mm
1	12V	14.7V	16.8V	14.6V	2	0.4	0.1	0.18	
2	24V	29.4V	29.4V	29.2V	1	0.2	0.05		
Features	1	0V charged							
	2	Precise limit of voltage & current, guarantee fully charged and avoid over charge							
	3	Protections: over current, over voltage, short circuit and reverse polarity							
	4	Two LED indicators, aluminium, robust, elegant and reliable							
	5	Wide input range: AC 85V~265V, efficiency ≥85%							

40W

## FU-CG40

## Specification of N Series Battery Charger

No.	Nominal Output Voltage	CV			CC	Transition/cut-off Current		Net Weight (kg)	Size (mm)
		Lead Acid	Li-MnO2	LiFePO4	A	Lead Acid (A)	Li (A)		
1	12V	14.7V	16.8V	14.6V	3.0	0.6	0.30	0.5	119*72*41
2	24V	29.4V	29.4V	29.2V	1.5	0.3	0.15		
3	36V	44.1V	42.0V	43.8V	1.1	0.22	0.11		
4	48V	58.8V	54.6V	58.4V	0.8	0.16	0.00		
Features	1	Single chip microcomputer control, Single chip microcomputer control, Full automatic transition of CC, CV and Float/cut-off, With the shutdown of any charge, meet the demand curve							
	2	Precise limit of voltage & current, guarantee fully charged and avoid over charge							
	3	Protections: over current, over voltage, short circuit and reverse polarity							
	4	Two LED indicators, aluminium, robust, elegant and reliable							
	5	CE, UL							

Note: Cut-off point for Li battery is 5% of CC, and it can be setted between 3-10%.  
N, R series are chip control, may bring the prefilled, optional frequency square wave intermittent charging & lead-acid lithium electricity integration charger.





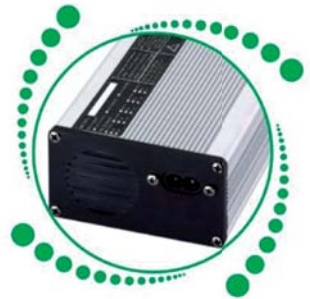
60W

## FU-CG60

### Specification of Battery Charger

No.	Nominal Output Voltage	CV			CC	Transition/cut-off Current		Net Weight (kg)	Size (mm)
		Lead Acid	Li-MnO2	LiFePO4	A	Lead Acid (A)	Li (A)		
1	12V	14.7V	15.8V	14.6V	4.0	0.8	0.40	0.5	135*70*45
2	24V	29.4V	29.4V	29.2V	2.5	0.5	0.25		
3	36V	44.1V	42.0V	43.8V	1.5	0.3	0.15		
4	48V	58.8V	54.6V	58.4V	1.2	0.24	0.12		
Features	1	Single chip microcomputer control, Single chip microcomputer control, Full automatic transition of CC, CV and Float/cut-off, With the shutdown of any charge, meet the demand curve							
	2	Precise limit of voltage & current, guarantee fully charged and avoid over charge							
	3	Protections: over current, over voltage, short circuit and reverse polarity							
	4	Two LED indicators, aluminium, robust, elegant and reliable							
	5	CE, UL							
<p>Note: Cut-off point for Li battery is 5% of CC, and it can be setted between 3-10%.                      N, R series are chip control, may bring the prefilled, optional frequency square wave intermittent charging &amp; lead-acid lithium electricity integration charger.</p>									

## POWER CONVERTER/CHARGER



90W

### FU-CG90

#### Specification of Battery Charger

No.	Nominal Output Voltage	CV			CC A	Transition/cut-off Current		Net Weight (kg)	Size (mm)
		Lead Acid	Li-MnO <sub>2</sub>	LiFePO <sub>4</sub>		(A) Lead Acid	Li (A)		
1	12V	14.7V	16.8V	14.6V	5.0	1	0.50	0.8	150*90*50
2	24V	29.4V	29.4V	29.2V	3.0	0.6	0.30		
3	36V	44.1V	42.0V	43.8V	2.0	0.4	0.20		
4	48V	58.8V	54.6V	58.4V	1.6	0.32	0.16		
Features	1	Full automatic transition of CC, CV and Float/cut-off							
	2	Precise limit of voltage & current, guarantee fully charged and avoid over charge							
	3	Protections: over current, over voltage, short circuit and reverse polarity							
	4	Two LED indicators, aluminium, robust, elegant and reliable							
	5	CE, UL							
Note: Cut-off point for Li battery is 5% of CC, and it can be setted between 3-10%.									

# FU-CG120

## Specification of Battery Charger

No.	Nominal Output Voltage	CV			CC	Transition/cut-off Current			Net Weight (kg)	Size (mm)
		Lead Acid	Li-MnO2	LiFePO4		A	(A) Lead Acid	Li (A)		
1	12V	14.7V	16.8V	14.6V	6.0	1.2	0.60	0.8	150*90*50	
2	24V	29.4V	29.4V	29.2V	4.0	0.8	0.40			
3	36V	44.1V	42.0V	43.8V	3.0	0.6	0.30			
4	48V	58.8V	54.6V	58.4V	2.0	0.4	0.20			
Features	1	Full automatic transition of CC, CV and Float/cut-off								
	2	Precise limit of voltage & current, guarantee fully charged and avoid over charge								
	3	Protections: over current, over voltage, short circuit and reverse polarity								
	4	Two LED indicators, aluminium, robust, elegant and reliable								
	5	CE, UL								
Note: Cut-off point for Li battery is 5% of CC, and it can be setted between 3-10%.										







180W

## FU-CG180

### Specification of S Series Battery Charger

No.	Nominal Output Voltage	CV			CC	Transition/cut-off Current		Net Weight (kg)	Size (mm)
		Lead Acid	Li-MnO <sub>2</sub>	LiFePO <sub>4</sub>		A	(A) Lead Acid		
1	12V	14.7V	16.8V	14.6V	8	1.60	0.80	0.9	160*90*50
2	24V	29.4V	29.4V	29.2V	5	1.00	0.50		
3	36V	44.1V	42.0V	43.8V	4	0.80	0.40		
4	48V	58.8V	54.6V	58.4V	3	0.60	0.30		
Features	1	Full automatic transition of CC, CV and Float/cut-off							
	2	Precise limit of voltage & current, guarantee fully charged and avoid over charge							
	3	Protections: over current, over voltage, short circuit and reverse polarity							
	4	Two LED indicators, aluminium, robust, elegant and reliable							
	5	CE, UL							
Note: Cut-off point for Li battery is 5% of CC, and it can be setted between 3-10%.									



### Specification of J Series Battery Charger

No.	Nominal Output Voltage	CV			CC	Transition/cut-off Current		Net Weight (kg)	Size (mm)
		Lead Acid	Li-MnO2	LiFePO4	A	(A) Lead Acid	Li (A)		
1	12V	14.7V	16.8V	14.6V	10	2.0	1.0	1.0	160*90*63
2	24V	29.4V	29.4V	29.2V	7	1.4	0.7		
3	36V	44.1V	42.0V	43.8V	4.8	1.0	0.5		
4	48V	58.8V	54.6V	58.4V	3.8	0.8	0.4		
Features	1	Full automatic transition of CC, CV and Float/cut-off							
	2	Precise limit of voltage & current, guarantee fully charged and avoid over charge							
	3	Protections: over current, over voltage, short circuit and reverse polarity							
	4	Two LED indicators, aluminium, robust, elegant and reliable							
	5	CE, UL							

Note: Cut-off point for Li battery is 5% of CC, and it can be setted between 3-10%.

400W

## FU-CG400

## Specification of A Series Battery Charger

No.	Nominal Output Voltage	CV			CC	Transition/cut-off Current		Net Weight (kg)	Size (mm)
		Lead Acid	Li-MnO <sub>2</sub>	LiFePO <sub>4</sub>		A	(A) Lead Acid		
1	12V	14.7V	16.8V	14.6V	20	4.0	2.0	1.2	210*100*68
2	24V	29.4V	29.4V	29.2V	12	2.4	1.2		
3	36V	44.1V	42.0V	43.8V	8	1.6	0.8		
4	48V	58.8V	54.6V	58.4V	6	1.2	0.6		
5	60V	73.5V	75.6V	73.0V	5	1.0	0.5		
Features	1	Full automatic transition of CC, CV and Float/cut-off							
	2	Precise limit of voltage & current, guarantee fully charged and avoid over charge							
	3	Protections: over current, over voltage, short circuit and reverse polarity							
	4	PFC							
	5	Two LED indicators, aluminium, robust, elegant and reliable							
	6	CE, UL, PSE							

Note: Cut-off point for Li battery is 5% of CC, and it can be setted between 3-10%.





600W

## FU-CG600

### Specification of Battery Charger

No.	Nominal Output Voltage	CV			CC A	Transition/cut-off Current		Net Weight (kg)	Size (mm)
		Lead Acid	Li-MnO2	LiFePO4		(A) Lead Acid	Li(A)		
1	12V	14.7V	16.8V	14.6V	25	5.0	2.5	2.5	240*120*70
2	24V	29.4V	29.4V	29.2V	18	3.6	1.8		
3	36V	44.1V	42.0V	43.8V	12	2.4	1.2		
4	48V	58.8V	54.6V	58.4V	10	2.0	1.0		
5	60V	73.5V	75.6V	73.0V	8	1.6	0.8		
6	144V	176.4V	176.4V	175.2V	3	0.6	0.3		
Features	1	Full automatic transition of CC, CV and Float/cut-off							
	2	Precise limit of voltage & current, guarantee fully charged and avoid over charge							
	3	Protections: over current, over voltage, short circuit and reverse polarity							
	4	PFC							
	5	Two LED indicators, aluminium, robust, elegant and reliable							
	6	CE, UL, PSE							
Note: Cut-off point for Li battery is 5% of CC, and it can be setted between 3-10%.									

## POWER CONVERTER/CHARGER

900W

### FU-CG900

#### Specification of Battery Charger

No.	Nominal Output Voltage	CV			CC	Transition/cut-off Current		Net Weight (kg)	Size (mm)
		Lead Acid	Li-MnO2	LiFePO4		A	(A) Lead Acid		
1	12V	14.7V	16.8V	14.6V	40	8.0	4.0	3.0	240*135*70
2	24V	29.4V	29.4V	29.2V	25	5.0	2.5		
3	36V	44.1V	42.0V	43.8V	18	3.6	1.8		
4	48V	58.8V	54.6V	58.4V	15	3.0	1.5		
5	60V	73.5V	75.6V	73.0V	12	2.4	1.2		
6	144V	176.4V	176.4V	175.2V	5	1.0	0.5		
特性 Features	1	Full automatic transition of CC, CV and Float/cut-off							
	2	Precise limit of voltage & current, guarantee fully charged and avoid over charge							
	3	Protections: over current, over voltage, short circuit and reverse polarity							
	4	PFC							
	5	Two LED indicators, aluminium, robust, elegant and reliable							
	6	CE, UL, PSE							

Note: Cut-off point for Li battery is 5% of CC, and it can be setted between 3-10%.



## FU-CG1000



### Specification of Battery Charger

No.	Nominal Output Voltage	CV			CC	Transition/cut-off Current		Net Weight (kg)	Size (mm)
		Lead Acid	Li-MnO <sub>2</sub>	LiFePO <sub>4</sub>		A	(A) Lead Acid		
1	12V	14.7V	16.8V	14.6V	40	8.0	4.0	3.5	260*150*88
2	24V	29.4V	29.4V	29.2V	25	5.0	2.5		
3	36V	44.1V	42.0V	43.8V	20	4.0	2.0		
4	48V	58.8V	54.6V	58.4V	16	3.2	1.6		
5	60V	73.5V	75.6V	73.0V	13	2.6	1.3		
6	144V	176.4V	176.4V	175.2V	5.5	1.1	0.6		
Features	1	Full automatic transition of CC, CV and Float/cut-off							
	2	Precise limit of voltage & current, guarantee fully charged and avoid over charge							
	3	Protections: over current, over voltage, short circuit and reverse polarity							
	4	PFC							
	5	Current&voltage display,two LED indicators, aluminium, robust, elegant and							
	6	CE & C-Tick Certified, Safety and High Quality							
Note: Cut-off point for Li battery is 5% of CC, and it can be setted between 3-10%.									

## POWER CONVERTER/CHARGER

1200W

# FU-CG1200

### Specification of Battery Charger

No.	Nominal Output Voltage	CV			CC	Transition/cut-off Current		Net Weight (kg)	Size (mm)
		Lead Acid	Li-MnO2	LiFePO4	A	(A) Lead Acid	(A) Li		
1	12V	14.7V	16.8V	14.6V	50	10.0	5.0	4.5	260*175*90
2	24V	29.4V	29.4V	29.2V	35	7.0	3.5		
3	36V	44.1V	42.0V	43.8V	20	4.0	2.0		
4	48V	58.8V	54.6V	58.4V	18	3.6	1.8		
5	60V	73.5V	75.6V	73.0V	15	3.0	1.5		
6	144V	176.4V	176.4V	175.2V	6	1.2	0.6		
7	288V	352.8V	352.8V	350.4V	3	0.6	0.3		
Features	1	Full automatic transition of CC, CV and Float/cut-off							
	2	Precise limit of voltage & current, guarantee fully charged and avoid over charge							
	3	Protections: over current, over voltage, short circuit and reverse polarity							
	4	PFC							
	5	Current&voltage display,two LED indicators, aluminium, robust, elegant and reliable							
	6	CE & C-Tick Certified, Safety and High Quality							

Note: Cut-off point for Li battery is 5% of CC, and it can be setted between 3-10%.





1500W

## FU-CG1500

### Specification of Battery Charger

No.	Nominal Output Voltage	CV			CC	Transition/cut-off Current		Net Weight (kg)	Size (mm)
		Lead Acid	Li-MnO2	LiFePO4	A	(A) Lead Acid	Li (A)		
1	12V	14.7V	16.8V	14.6V	80	16.0	4.0	5.5	300*175*90
2	24V	29.4V	29.4V	29.2V	45	9.0	2.3		
3	36V	44.1V	42.0V	43.8V	30	6.0	1.5		
4	48V	58.8V	54.6V	58.4V	25	5.0	1.3		
5	60V	73.5V	67.2V	73.0V	20	4.0	1.0		
6	144V	176.4V	176.4V	175.2V	8	1.6	0.4		
7	288V	352.8V	352.8V	350.4V	4	0.8	0.2		
Features	1	Full automatic transition of CC, CV and Float/cut-off							
	2	Precise limit of voltage & current, guarantee fully charged and avoid over charge							
	3	Protections: over current, over voltage, short circuit and reverse polarity							
	4	PFC							
	5	Current&voltage display,two LED indicators, aluminium, robust, elegant and reliable							
	6	CE & C-Tick Certified, Safety and High Quality							
Note: Cut-off point for Li battery is 5% of CC, and it can be setted between 3-10%.									



## POWER CONVERTER/CHARGER



2000W

## FU-CG2000

### Specification of Battery Charger

No.	Nominal Output Voltage	CV			CC	Transition/cut-off Current		Net Weight (kg)	Size (mm)
		Lead Acid	Li-MnO2	LiFePO4	A	(A) Lead Acid	Li(A)		
1	12V	14.7V	16.8V	14.6V	80	20.0	5.0	6.5	330*175*115
2	24V	29.4V	29.4V	29.2V	50	12.0	3.0		
3	36V	44.1V	42.0V	43.8V	40	8.0	2.0		
4	48V	58.8V	54.6V	58.4V	30	6.0	1.5		
5	60V	73.5V	67.2V	73.0V	25	5.0	1.3		
6	144V	176.4V	176.4V	175.2V	10	2.0	0.5		
7	288V	352.8V	352.8V	350.4V	5	1.0	0.3		
Features	1	Full automatic transition of CC, CV and Float/cut-off, CAN communication port							
	2	Precise limit of voltage & current, guarantee fully charged and avoid over charge							
	3	Protections: over current, over voltage, short circuit and reverse polarity							
	4	PFC							
	5	Current&voltage display,two LED indicators, aluminium, robust, elegant and reliable							
	6	CE & C-Tick Certified, Safety and High Quality							

Note: Cut-off point for Li battery is 5% of CC, and it can be setted between 3-10%.

3000W

## FU-CG3000

### Specification of Battery Charger

No.	Nominal Output Voltage	CV			CC	Transition/cut-off Current		Net Weight (kg)	Size (mm)
		Lead Acid	Li-MnO2	LiFePO4	A	(A) Lead Acid	Li (A)		
1	48V	58.8V	54.6V	58.4V	50	9.0	2.3	8.5	330*220*116
2	60V	73.5V	67.2V	73.0V	40	7.0	1.8		
3	144V	176.4V	176.4V	175.2V	16	3.2	0.8		
4	288V	352.8V	352.8V	350.4V	8	1.6	0.4		
Features	1	Full automatic transition of CC, CV and Float/cut-off,CAN communication port							
	2	Precise limit of voltage & current, guarantee fully charged and avoid over charge							
	3	Protections: over current, over voltage, short circuit and reverse polarity							
	4	High Efficiency: 85%~95%, eco-friendly							
	5	Current&voltage display,two LED indicators, aluminium, robust, elegant and reliable							
	6	CE & C-Tick Certified, Safety and High Quality							
Note: Cut-off point for Li battery is 5% of CC, and it can be setted between 3-10%.									



4000W

## FU-CG4000

### Specification of Battery Charger

No.	Nominal Output Voltage	CV			CC A	Transition/cut-off Current		Net Weight (kg)	Size (mm)
		Lead Acid	Li-MnO2	LiFePO4		(A) Lead Acid	Li (A)		
1	48V	58.8V	54.6V	58.4V	60	12.0	3.0	10.0	380*240*150
2	60V	73.5V	67.2V	73.0V	50	10.0	2.5		
3	144V	176.4V	176.4V	175.2V	22	4.4	1.1		
4	288V	352.8V	352.8V	350.4V	11	2.2	0.6		
Features	1	Full automatic transition of CC, CV and Float/cut-off,CAN communication port							
	2	Precise limit of voltage & current, guarantee fully charged and avoid over charge							
	3	Protections: over current, over voltage, short circuit and reverse polarity							
	4	High Efficiency: 85%~95%, eco-friendly							
	5	Current&voltage display,two LED indicators, aluminium, robust, elegant and reliable							
	6	CE & C-Tick Certified, Safety and High Quality							
Note: Cut-off point for Li battery is 5% of CC, and it can be setted between 3-10%.									





5000W

## FU-CG5000

### Specification of Battery Charger

No.	Nominal Output Voltage	CV			CC	Transition/cut-off Current		Net Weight (kg)	Size (mm)
		Lead Acid	Li-MnO2	LiFePO4		A	(A) Lead Acid		
1	48V	58.8V	54.6V	58.4V	75	15.0	3.8	15.0	450*280*150
2	60V	73.5V	67.2V	73.0V	55	11.0	2.8		
3	144V	176.4V	176.4V	175.2V	25	5	1.3		
4	288V	352.8V	352.8V	350.4V	12	2.4	0.6		
Features	1	Full automatic transition of CC, CV and Float/cut-off,CAN communication port							
	2	Precise limit of voltage & current, guarantee fully charged and avoid over charge							
	3	Protections: over current, over voltage, short circuit and reverse polarity							
	4	High Efficiency: 85%~95%, , eco-friendly							
	5	Current&voltage display,two LED indicators, aluminium, robust, elegant and reliable							
	6	CE & C-Tick Certified, Safety and High Quality							
Note: Cut-off point for Li battery is 5% of CC, and it can be setted between 3-10%.									

## POWER CONVERTER/CHARGER

7000W

### FU-CG7000



### Specification of Battery Charger

No.	Nominal Output Voltage	CV			CC	Transition/cut-off Current		Net Weight (kg)	Size (mm)
		Lead Acid	Li-MnO <sub>2</sub>	LiFePO <sub>4</sub>		(A) Lead Acid	(A) Li		
1	48V	58.8V	54.6V	58.4V	100	28.0	7.0	25.0	550*280*300
2	60V	73.5V	67.2V	73.0V	80	22.0	5.5		
3	144V	176.4V	176.4V	175.2V	35	10.0	2.5		
4	288V	352.8V	352.8V	350.4V	30	5.0	1.3		
Features	1	Full automatic transition of CC, CV and Float/cut-off,CAN communication port							
	2	Precise limit of voltage & current, guarantee fully charged and avoid over charge							
	3	Protections: over current, over voltage, short circuit and reverse polarity							
	4	High Efficiency: 85%~90% , eco-friendly							
	5	Current&voltage display,two LED indicators, aluminium, robust, elegant and reliable							
	6	CE & C-Tick Certified, Safety and High Quality							
Note: Cut-off point for LI battery is 5% of CC, and it can be setted between 3-10%.									

# FU-CG9000

## Specification of Battery Charger

No.	Nominal Output Voltage	CV			CC	Transition/cut-off Current		Net Weight (kg)	Size (mm)
		Lead Acid	Li-MnO2	LiFePO4	A	(A) Lead Acid	Li(A)		
1	48V	58.8V	54.6V	58.4V	120	44.0	11.0	40.0	550*280*420
2	60V	73.5V	67.2V	73.0V	100	32.0	8.0		
3	144V	176.4V	176.4V	175.2V	90	15.0	3.8		
4	288V	352.8V	352.8V	350.4V	70	7.0	1.8		
Features	1	Full automatic transition of CC, CV and Float/cut-off,CAN communication port							
	2	Precise limit of voltage & current, guarantee fully charged and avoid over charge							
	3	Protections: over current, over voltage, short circuit and reverse polarity							
	4	High Efficiency: 85%~95% , eco-friendly							
	5	Current&voltage display,two LED indicators, aluminium, robust, elegant and reliable							
	6	CE & C-Tick Certified, Safety and High Quality							
Note: Cut-off point for Li battery is 5% of CC, and it can be setted between 3-10%.									



## WATERPROOF CHARGER



**FU-CG60W**



**FU-CG90W**



**FU-CG200W**



**FU-CG300W**

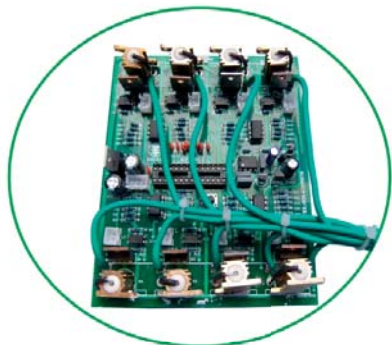


**FU-CG600W**



**FU-CG800W**

## LARGE CURRENT EQUALIZATION MODULE



lithium-ion battery equalization module list (8S)

		(A)	(Kwh)	(AH)
1	FU-CGEQ8S01	1.5A	0.038Kwh	7AH
2	FU-CGEQ8S02	2A	0.051Kwh	10AH
3	FU-CGEQ8S03	3A	0.077Kwh	15AH
4	FU-CGEQ8S04	4A	0.102Kwh	20AH
5	FU-CGEQ8S05	5A	0.128Kwh	25AH
6	FU-CGEQ8S06	6A	0.153Kwh	30AH
7	FU-CGEQ8S07	7A	0.179Kwh	35AH
8	FU-CGEQ8S08	8A	0.204Kwh	40AH
9	FU-CGEQ8S09	9A	0.23Kwh	45AH
10	FU-CGEQ8S10	10A	0.256Kwh	50AH
11	FU-CGEQ8S12	12A	0.306Kwh	60AH
12	FU-CGEQ8S16	16A	0.460Kwh	80AH
13	FU-CGEQ8S20	20A	0.511Kwh	100AH

Functions :

- 1.The charging process, any string voltage is higher than the average voltage0.1V, start the string voltage
- 2.In the process of charging, a voltage higher than any3.65V start the string bypass
- 3.8 strings of all the 3.65V, off charge

lithium-ion battery equalization module list (4S)

		(A)	(Kwh)	(AH)
1	FU-CGEQ4S01	1.5A	0.019	7AH
2	FU-CGEQ4S02	2A	0.026	10AH
3	FU-CGEQ4S03	3A	0.039	15AH
4	FU-CGEQ4S04	4A	0.051	20AH
5	FU-CGEQ4S05	5A	0.064	25AH
6	FU-CGEQ4S06	6A	0.077	30AH
7	FU-CGEQ4S07	7A	0.090	35AH
8	FU-CGEQ4S08	8A	0.102	40AH
9	FU-CGEQ4S09	9A	0.115	45AH
10	FU-CGEQ4S10	10A	0.128	50AH
11	FU-CGEQ4S12	12A	0.153	60AH
12	FU-CGEQ4S16	16A	0.230	80AH
13	FU-CGEQ4S20	20A	0.256	100AH

lithium-ion battery equalization module list (6S)

		(A)	(Kwh)	(AH)
1	FU-CGEQ6S01	1.5A	0.029	7AH
2	FU-CGEQ6S02	2A	0.038	10AH
3	FU-CGEQ6S03	3A	0.058	15AH
4	FU-CGEQ6S04	4A	0.077	20AH
5	FU-CGEQ6S05	5A	0.096	25AH
6	FU-CGEQ6S06	6A	0.115	30AH
7	FU-CGEQ6S07	7A	0.134	35AH
8	FU-CGEQ6S08	8A	0.153	40AH
9	FU-CGEQ6S09	9A	0.173	45AH
10	FU-CGEQ6S10	10A	0.192	50AH
11	FU-CGEQ6S12	12A	0.230	60AH
12	FU-CGEQ6S16	16A	0.345	80AH
13	FU-CGEQ6S20	20A	0.383	100AH



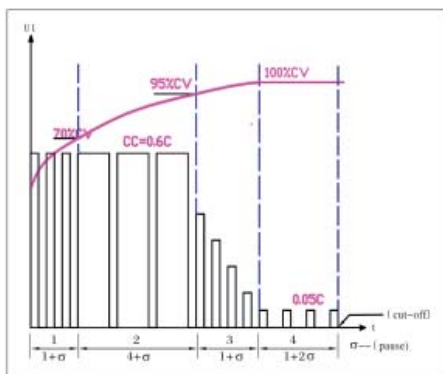
## INTERMITTENT CHARGING



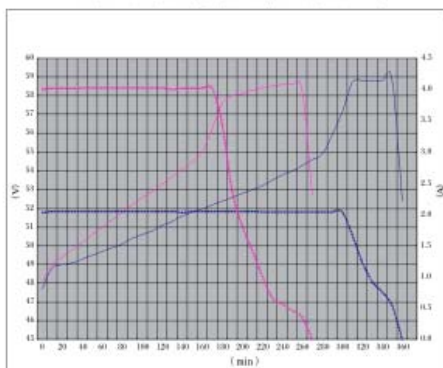
Frequency square wave intermittent chargers are made by **Fullwat**.

They are designed for EV power battery, with 5 core patented technology. Representative works: KP240Jf. KP240Jf adapter 48V/10AH ~ 14AH lead-acid battery, charging rate of 0.2C ~ 0.4C, 4 ~ 6 hours charge time. KP-240Jf uses the fourth generation integrated switching power supply, the maximum output power of 270W, with a boot, filled with buzzer prompt, automatic inspection, automatic adjustment, 39V open-circuit voltage, short circuit, overvoltage, reverse, overcurrent, overheat protective function, and has fast charging, high power, long life advantages. They are the best choice for EV owners those who were suffered from poor quality, low standard chargers in the old days.

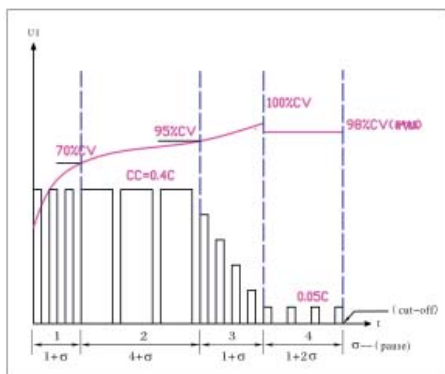
Lithium battery charging curve diagram of inverter square wave



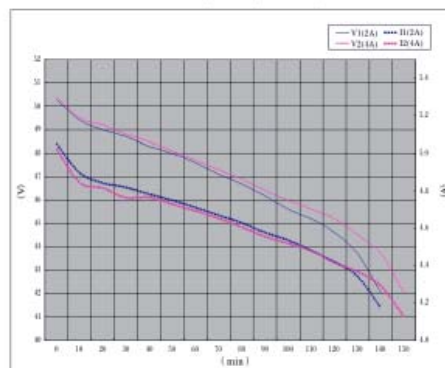
Frequency square wave with constant current and constant voltage three stages charging contrast (Chilwee power 10AH)



Lead acid battery charging curve diagram of inverter square wave



Two kinds of charging modes of discharge effect contrast (Chilwee power 10AH)



## Frequency square wave intermittent chargers table

240jf	36V/48V	5A/4A	10~14AH
360Af	48V/60V	6A/5A	12~17AH
600Ef	48V/60V/72V	10A/8A/6A	15~24AH
900Ff	48V/60V/72V	15A/12A/10A	30~40AH
2000Kf	48V/60V/72V	30A/25A/20A	60~80AH
3000Cf	48V/60V/72V	45A/40A/30A	80~100AH
4000Gf	48V/60V/72V	60A/50A/40A	120~160AH





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