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SPARK
JUST WELDING

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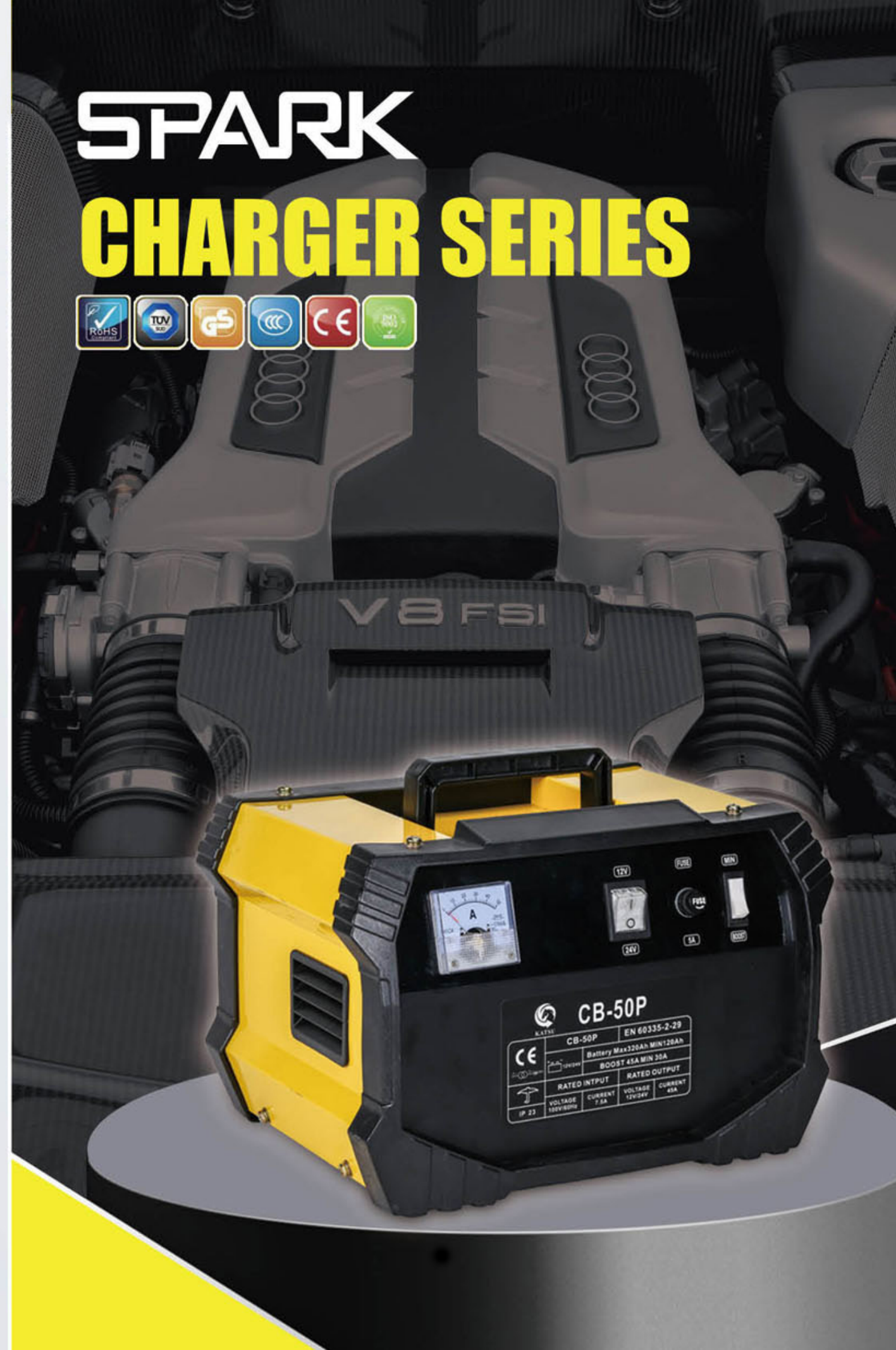
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SPARK CHARGER SERIES



MMA series

TIG series

CUT series

MIG series

MIG series

AC ACR series

CHARGER series



B

SPARK FUNCTION & FEATURES

1. Portable battery charger for charging 12V lead acid batteries. Protected against over-load.
 2. Simple operations and maintenance.
 3. Compact, light and portable.
 4. Provide with complete kits.
- *. Various plug types optional


SPARK TECHNICAL DATA

Model	CA-4P	CA-5P	CA-6P	CA-4T	CA-6T	CA-8T	CA-10T
Input Voltage(V)	230	230	230	230	230	230	230
Frequency(Hz)	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Input Power(W)	40	60	80	40	60	80	100
Charge Voltage(V)	12	12	12	6/12	6/12	6/12	6/12
Rated Current(A)	3	5	6	3	5	6	8
Reference Capacity(AH)	10-60	10-80	10-80	10-60	10-80	10-120	20-200
Insulation Class	H	H	H	H	H	H	H
Weight(KG)	1.6	1.9	1.9	1.6	1.9	2.2	2.3
Dimension(CM)	24*12*19.5	24*12*19.5	24*12*19.5	25*22*13	25*22*13	25*22*13	25*22*13



C

D

SPARK FUNCTION & FEATURES

1. Portable battery charger for charging 6V/12V/24V lead acid batteries. Protected against over-load.
 2. Equipment with selector for normal or quick (Boost) charge (Min or Max charging).
 3. Equipment with Amperemeter, indicating charging progress at all time.
 4. Compact, light and portable.
 5. Suitable for cars, vans, and light truck.
 6. Provide with complete kits.
- *. Various plug types optional


SPARK TECHNICAL DATA

Model	GZL-10	GZL-15	GZL-20	GZL-30	GZL-40	GZL-50
Input Voltage(V)	230	230	230	230	230	230
Frequency(Hz)	50/60	50/60	50/60	50/60	50/60	50/60
Input Power(W)	100	150	300	700	800	1000
Charge Voltage(V)	6/12/24	6/12/24	6/12/24	6/12/24	6/12/24	6/12/24
Quick Charge Current(A)	5/8/5	6/9/6	12/18/12	30	45	60
Current Range(e)	3/5/3	4/6/4	8/12/8	20	25	30
Reference Capacity(AH)	20-92	25-105	60-200	92-250	100-300	120-320
Insulation Class	H	H	H	H	H	H
Weight(KG)	4.8	5.2	5.5	7.8	8.9	9.2
Dimension(CM)	29.5*16.8*21	29.5*16.8*21	29.5*16.8*21	29.5*16.8*21	29.5*16.8*21	29.5*16.8*21



E

SPARK FUNCTION & FEATURES

1. Portable battery charger for charging 6V/12V/24V lead acid batteries. Protected against over-load.
 2. Equipment with selector for normal or quick (Boost) charge (Min or Max charging).
 3. Equipment with Amperemeter, indicating charging progress at all time.
 4. Compact, light and portable.
 5. Suitable for cars, vans, and light truck.
 6. Provide with complete kits.
- *. Various plug types optional


SPARK TECHNICAL DATA

Model	CA-JL-10	CA-JL-15	CA-JL-20	CA-JL-30	CA-JL-40	CA-JL-50
Input Voltage(V)	230	230	230	230	230	230
Frequency(Hz)	50/60	50/60	50/60	50/60	50/60	50/60
Input Power(W)	100	150	300	700	800	1000
Charge Voltage(V)	6/12	6/12	6/12	6/12	6/12	6/12
Quick Charge Current(A)	8/5	9/6	18/12	30	45	60
Current Range(a)	5/3	6/4	12/8	20	25	30
Reference Capacity(AH)	20-92	25-105	60-200	92-250	100-300	120-320
Insulation Class	H	H	H	H	H	H
Weight(KG)	4.8	5.2	5.5	7.8	8.9	9.2
Dimension(CM)	27*19.5*24.5	27*19.5*24.5	27*19.5*24.5	27*19.5*24.5	27*19.5*24.5	27*19.5*24.5



F

SPARK FUNCTION & FEATURES

1. Portable battery charger for charging 6V/12V/24V lead acid batteries. Protected against over-load.
 2. Equipment with selector for normal or quick (Boost) charge (Min or Max charging).
 3. Equipment with Amperemeter, indicating charging progress at all time.
 4. Compact, light and portable.
 5. Suitable for cars, vans, and light truck.
 6. Provide with complete kits.
- *. Various plug types optional


SPARK TECHNICAL DATA

Model	SC-10	SC-15	SC-20	SC-30	SC-40	SC-50
Input Voltage(V)	230	230	230	230	230	230
Frequency(Hz)	50/60	50/60	50/60	50/60	50/60	50/60
Input Power(W)	100	150	300	700	800	1000
Charge Voltage(V)	12/24	12/24	12/24	12/24	12/24	12/24
Quick Charge Current(A)	8/5	9/6	18/12	30	45	60
Current Range(a)	5/3	6/4	12/8	20	25	30
Reference Capacity(AH)	20-92	25-105	60-200	92-250	100-300	120-320
Insulation Class	H	H	H	H	H	H
Weight(KG)	4.8	6	7	10	10.5	11.5
Dimension(CM)	36*23*30	36*23*30	36*23*30	30.5*29*21.5	30.5*29*21.5	30.5*29*21.5


SPARK FUNCTION & FEATURES

1. Portable battery charger for charging 6V/12V/24V lead acid batteries. Protected against over-load.
 2. Equipment with selector for normal or quick (Boost) charge (Min or Max charging).
 3. Equipment with Amperemeter, indicating charging progress at all time.
 4. Compact, light and portable.
 5. Suitable for cars, vans, and light truck.
 6. Provide with complete kits.
- *. Various plug types optional


SPARK TECHNICAL DATA

Model	CB-10	CB-15	CB-20	CB-30	CB-40	CB-50
Input Voltage(V)	230	230	230	230	230	230
Frequency(Hz)	50/60	50/60	50/60	50/60	50/60	50/60
Input Power(W)	100	150	300	700	800	1000
Charge Voltage(V)	12/24	12/24	12/24	12/24	12/24	12/24
Quick Charge Current(A)	8/5	9/6	18/12	30	45	60
Current Range(a)	5/3	6/4	12/8	20	25	30
Reference Capacity(AH)	20-92	25-105	60-200	92-250	120-300	120-320
Insulation Class	H	H	H	H	H	H
Weight(KG)	4.8	6	7	10	10.5	11.5
Dimension(CM)	36*23*30	36*23*30	36*23*30	30.5*29*21.5	30.5*29*21.5	30.5*29*21.5


SPARK FUNCTION & FEATURES

1. Portable battery charger & starter for 12V/24V lead acid batteries
 2. Over-load protection & thermal protection.
 3. Jump starter function.
 4. Compact, light and portable.
 5. Suitable for cars, vans, and light truck.
 6. Provide with complete kits.
- *. Various plug types optional


SPARK TECHNICAL DATA

Model	CD-20R	CD-30R	CD-40R	CD-50R
Input Voltage(V)	230	230	230	230
Frequency(Hz)	50/60	50/60	50/60	50/60
Input Power(W)	600	800	1000	1200
Charge Voltage(V)	12/24	12/24	12/24	12/24
Quick Charge Current(A)	20	30	40	50
Current Range(a)	100	180	240	180
Reference Capacity(AH)	20-300	20-500	20-500	20-600
Insulation Class	H	H	H	H
Weight(KG)	8	9	10	10.5
Dimension(CM)	25*36*73	25*36*73	25*36*73	32*41*76



K

SPARK FUNCTION & FEATURES

1. Portable battery charger for charging 12V/24V lead acid batteries.
 2. Over-load protection & thermal protection.
 3. Equipment with digital display showing charging amp, normal or quick (boost) charge selectable.
 4. Charging time setting with timer.
 5. Compact, light and portable.
 6. Suitable for cars, vans, and light truck.
 7. Provide with complete kits.
- *. Various plug types optional


SPARK TECHNICAL DATA

Model	DB-200	DB-300	DB-400	DB-500	DB-600
Input Voltage(V)	230	230	230	230	230
Frequency(Hz)	50/60	50/60	50/60	50/60	50/60
Input Power(W)	800	1000	1200	1600	2000
Charge Voltage(V)	12/24	12/24	12/24	12/24	12/24
Charge Current(A)	30/20	45/30	60/40	75/50	90/60
Starting Current(A)	120	180	240	300	360
Reference Capacity(AH)	20-400	20-500	20-700	20-800	20-1000
Insulation Class	H	H	H	H	H
Weight(KG)	13	14.5	15	24	26
Dimension(CM)	32*25*57.5	32*25*57.5	32*25*57.5	40*31.5*61.5	40*31.5*61.5



L

SPARK FUNCTION & FEATURES

1. Portable battery charger for charging 12V/24V lead acid batteries.
 2. Over-load protection & thermal protection.
 3. Equipment with digital display showing charging amp, normal or quick (boost) charge selectable.
 4. Charging time setting with timer.
 5. Compact, light and portable.
 6. Suitable for cars, vans, and light truck.
 7. Provide with complete kits.
- *. Various plug types optional


SPARK TECHNICAL DATA

Model	CD-200 CLASS-230	CD-300 CLASS-330	CD-400 CLASS-430	CD-500 CLASS-530	CD-600 CLASS-630
Input Voltage(V)	230	230	230	230	230
Frequency(Hz)	50/60	50/60	50/60	50/60	50/60
Input Power(W)	800	1000	1200	1600	2000
Charge Voltage(V)	12/24	12/24	12/24	12/24	12/24
Charge Current(A)	30/20	45/30	60/40	75/50	90/60
Starting Current(A)	120	180	240	300	360
Reference Capacity(AH)	20-400	20-500	20-700	20-800	20-1000
Insulation Class	H	H	H	H	H
Weight(KG)	13	14.5	15	24	26
Dimension(CM)	32*25*57.5	32*25*57.5	32*25*57.5	40*31.5*61.5	40*31.5*61.5



M



N

SPARK FUNCTION & FEATURES

1. Portable battery charger for charging 12V/24V lead acid batteries.
2. Over-load protection & thermal protection.
3. Equipment with digital display showing charging amp, normal or quick (boost) charge selectable.
4. Charging time setting with timer.
5. Compact, light and portable.
6. Suitable for cars, vans, and light truck.
7. Provide with complete kits.
- *. Various plug types optional


SPARK TECHNICAL DATA

Model	CLASS-230P	CLASS-330P	CLASS-430P	CLASS-530P	CLASS-630P
Input Voltage(V)	230	230	230	230	230
Frequency(Hz)	50/60	50/60	50/60	50/60	50/60
Input Power(W)	800	1000	1200	1600	2000
Charge Voltage(V)	12/24	12/24	12/24	12/24	12/24
Charge Current(A)	30/20	45/30	60/40	75/50	90/60
Starting Current(A)	120	180	240	300	360
Reference Capacity(AH)	20-400	20-500	20-700	20-800	20-1000
Insulation Class	H	H	H	H	H
Weight(KG)	13	14.5	15	24	26
Dimension(CM)	25*36*73	25*36*73	25*36*73	32*41*76	32*41*76



O


SPARK FUNCTION & FEATURES

1. Multifunctional New arrival heavy duty high performance Industrial movable digital universal Battery charger & starter with wheel for 12V/24V lead acid batteries.
2. Over-load protection & thermal protection, high performance
3. Equipped with digital display showing charging amp, normal or quick (boost) charge selectable.
4. Charging time setting with timer. Multi-level charging for improved accuracy, safety and battery life.
5. A variety of advanced safety features to prevent short circuit, overcharge, over current, over discharge and reverse connection
6. Suitable for cars, vans and light truck, heavy truck.
7. Provide with complete kits.
8. High performance, convenient move. Battery charger with start function is durable and the wheels are designed to be easy to carry
9. automatic car battery charger, manufacturers, suppliers
- *Various plug types optional.


SPARK TECHNICAL DATA

Model	CLASS-800	CLASS-1300	CLASS-1500	CLASS-1800
Input Voltage	230/380V	230/380V	230/380V	230/380V
Frequency(Hz)	50/60HZ	50/60HZ	50/60HZ	50/60HZ
Input Power(KW)	2.5	2.8	3.2	3.5
Charge Voltage (V)	12 /24	12 /24	12 /24	12 /24
Charge Current(A)	80	130	150	180
Starting Current(A)	800	1300	1500	1800
Reference Capacity(AH)	20-800	20-1300	20-1500	20-1800
Insulation Class	H	H	H	H
Weight(KG)	40	45	52	63
Dimension(CM)	46*36*78	66*42*41	66*42*41	66*42*41



P

SPARK FUNCTION & FEATURES

1. Automobile power lithium cell 18650 Cylindrical battery
2. With 1W Two-level dimming lighting. SOS Flash Mode LED light
2. With long circle life >10000 Times
3. With Safety protection of Short circuit. Over-load, Over-voltage, Over-current, Undervoltage

SPARK TECHNICAL DATA

Item	Name	Specification
Input	DC input	12-24V/1-5A
Output	Ac Output Voltage	AC220V/110V±5% 550W
USB Output	USB1 Output	QC3.05V/3A, 9V/2A, 12V/1.5A-18W(Max)
	USB2 Output	QC3.05V/3A, 9V/2A, 12V/1.5A-18W(Max)
	TYPE-C1 Output	PD5V/3A, 9V/2A, 12V/1.5A-18W(Max)
	TYPE-C2 Output	PD5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/3A,
DC12V Output	DC1 DC2.Cigar lighter Output	12V/10A-120W(Max)
Electric Core	Electric Core Capacity	2600mAh/B7V Total Capacity 124800mAh 2900mAh/3.7V Total Capacity 139200mAh 3350mAh/3.6V Total Capacity 160800mAh
	Battery Pack Power	20.8Ah/22.2V (461Wh) 5S8P 23.2Ah/22.2V (515Wh) 5S8P 26.8Ah/21.6V (595Wh) 5S8P
	Power Adapter	DC 15V/4A
	Charging Parameter	Charge from 0% to 100% (automatic cutout) 8h Voltage when the battery is fully charged 25.2V +0. 1V
boot static	boot static power consumption	<10W
Defensive Function	Overheat Protection	≥85°C
	Overheat Recovery	≤70°C

12V10-24V 5A

7-STAGE SMART BATTERY CHARGER

for AGM,Lead-Acid,LiFeP04 Batteries



Model: ZYX -J50
 AC-Input: 100-240V
 DC-Output: 12V 10A-24V 5A
 Battery Size: 6Ah-180Ah



Q

Smart Battery Charger



Model : LP-12V6A01
 Input :100-220V~50Hz
 Output Voltage : DC=13.8~15.5V
 Output Current : DC=6A



R