

TECHNICAL DATA

SHARP 30 BATTERY CHARGER

STATED DATA ACCORDING TO MICROPOWER STANDARD

VARIABLE	UNIT	VALUE	SA2300	SD2300	SB4236	SE2360	SB2380	SB4238	SB4242	SC2420
Part number	-	SB4229	SA2300	SD2300	SB4236	SE2360	SB2380	SB4238	SB4242	SC2420
Model	-	SHARP 30	SHARP 30	SHARP 30	SHARP 30	SHARP 30	SHARP 30	SHARP 30	SHARP 30	SHARP 30
Type	-	24/40	24/40	24/40	24/70	24/70	24/80	24/80	24/105	24/105
Output voltage	V	24	24	24	24	24	24	24	24	24
Output current (at 2,4 Vpc)	A	30	40	40	70	70	80	80	105	105
MAINS DATA										
Mains phase	-	1 Phase	1 Phase	1 Phase	1 Phase	1 Phase	1 Phase	1 Phase	1 Phase	1 Phase
Mains voltage supply	V	195-264	195-264	195-264	195-264	195-264	195-264	195-264	195-264	195-264
Mains current (at min rated mains V)	A	4,9	6,5	6,5	11,4	11,4	13,0	13,0	16,0	16,0
Mains current (at max rated mains V)	A	3,6	4,8	4,8	8,4	8,4	9,6	9,6	12,4	12,4
Max mains fuse	A	10	10	10	10	10	10	10	16	16
Mains cable dimensions	mm ²	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,5	1,5
Mains cable length	m	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3
Mains connector (included)	-	Schuko 16A	Schuko 16A	Schuko 16A	Schuko 16A	Schuko 16A	Schuko 16A	Schuko 16A	Schuko 16A	Schuko 16A
BATTERY CONNECTION										
Battery cable	mm ²	10	10	10	16	16	16	16	25	25
Battery cable length	m	3	3	3	3	3	3	3	3	3
Battery connector (not included)	-	User defined	User defined	User defined	User defined	User defined	User defined	User defined	User defined	User defined
ELECTRIC DATA										
Standby power consumption	W	4	4	4	4	4	4	4	4	4
Power consumption	W	939	1252	1252	2191	2191	2504	2504	3252	3252
Apparent power consumption	VA	949	1265	1265	2213	2213	2530	2530	3284	3284
Power factor	-	0,99	0,99	0,99	0,99	0,99	0,99	0,99	0,99	0,99
Inrush current	A	<30	<30	<30	<30	<30	<30	<30	<30	<30
Output ripple	% RMS	<1	<1	<1	<1	<1	<1	<1	<1	<1
Efficiency (at rated power and no cables)	%	92	92	92	92	92	92	92	93	93
PROPERTIES										
Ingress protection	IP	IP54 (IP66 optional)	IP54 (IP66 optional)	IP54 (IP66 optional)	IP54 (IP66 optional)	IP54 (IP66 optional)	IP54 (IP66 optional)	IP54 (IP66 optional)	IP54 (IP66 optional)	IP54 (IP66 optional)
Ambient temperature range (at full capacity)	°C	-35 to +40	-35 to +40	-35 to +40	-35 to +40	-35 to +40	-35 to +40	-35 to +40	-35 to +40	-35 to +40
Ambient max temp (with reduced capacity)	°C	+55	+55	+55	+55	+55	+55	+55	+55	+55
Cooling	-	Fan	Fan	Passive	Fan	Passive	Fan	Fan	Fan	Fan
Short circuit protection	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Wrong polarity protection	-	Yes	Yes	Yes	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse
Cabinet type	-	S11	S10	S13	S11	S14	S11	S11	S11	S12
Certifications	-	CE	CE	CE	CE	CE	CE	CE	CE	CE
HMI	-	LED	LED	LED	LED	LED	LED	LED	LED	LED
HMI Language	-	-	-	-	-	-	-	-	-	-
Radio communication	-	No	No	No	No	No	No	No	No	No
Charging curve set (specification tab)	-	See website	See website	See website	See website	See website	See website	See website	See website	See website
I/O-cards	-	No	No	No	No	No	No	No	No	No
Accessories (accessories tab)	-	See website	See website	See website	See website	See website	See website	See website	See website	See website
CHARGING TIMES (Charging Curve: LK10-18 with Chemical Acid Circulation)										
6 h	Ah C5	172	230	230	401	401	459	459	574	574
8 h	Ah C5	250	333	333	583	583	665	665	833	833
10 h	Ah C5	333	444	444	790	790	887	887	1112	1112
12 h	Ah C5	400	533	533	948	948	1064	1064	1334	1334
CHARGER DIMENSIONS										
Charger weight excl. cables	kg	4,8	4,8	5,4	5,3	6,4	5,3	5,3	5,3	5,3
Charger weight incl. cables	kg	5,8	5,8	6,4	7,0	8,1	7,0	7,0	7,4	7,4
Dimensions	-	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing
Fixing center points	-	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing
Min spacing required	mm	300	302	300	300	300	300	300	300	300
SHIPPING DIMENSIONS										
Box height	mm	130	130	130	140	140	140	140	140	140
Box width	mm	500	500	500	550	550	550	550	550	550
Box depth	mm	290	290	290	280	280	280	280	280	280
Shipping weight	kg	6,7	6,7	7,3	7,9	9,0	7,9	7,9	8,3	8,3

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SHARP 30 BATTERY CHARGER

STATED DATA ACCORDING TO MICROPOWER STANDARD

VARIABLE	UNIT	VALUE									
Part number	-	SB3320	SB4332	SA4240	SB4424	SD4240	SB4300	SB4430	SB4434	SC4340	
Model	-	SHARP 30	SHARP 30	SHARP 30	SHARP 30	SHARP 30	SHARP 30	SHARP 30	SHARP 30	SHARP 30	
Type	-	36/50	36/50	48/20	48/20	48/20	48/40	48/40	48/60	48/60	
Output voltage	V	36	36	48	48	48	48	48	48	48	
Output current (at 2,4 Vpc)	A	50	50	20	20	20	40	40	60	60	
MAINS DATA											
Mains phase	-	1 Phase	1 Phase	1 Phase	1 Phase	1 Phase	1 Phase	1 Phase	1 Phase	1 Phase	
Mains voltage supply	V	195-264	195-264	195-264	195-264	195-264	195-264	195-264	195-264	195-264	
Mains current (at min rated mains V)	A	12,2	12,2	6,5	6,5	6,5	13,0	13,0	16,0	16,0	
Mains current (at max rated mains V)	A	9,0	9,0	4,8	4,8	4,8	9,6	9,6	12,4	12,4	
Max mains fuse	A	10	10	10	10	10	10	10	16	16	
Mains cable dimensions	mm2	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,5	1,5	
Mains cable length	m	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	
Mains connector (included)	-	Schuko 16A	Schuko 16A	Schuko 16A	Schuko 16A	Schuko 16A	Schuko 16A	Schuko 16A	Schuko 16A	Schuko 16A	
BATTERY CONNECTION											
Battery cable	mm2	16	16	10	10	10	16	16	16	16	
Battery cable length	m	3	3	3	3	3	3	3	3	3	
Battery connector (not included)	-	User defined	User defined	User defined	User defined	User defined	User defined	User defined	User defined	User defined	
ELECTRIC DATA											
Standby power consumption	W	4	4	4	4	4	4	4	4	4	
Power consumption	W	2348	2348	1252	1252	1252	2504	2504	3252	3252	
Apparent power consumption	VA	2372	2372	1265	1265	1265	2530	2530	3284	3284	
Power factor	-	0,99	0,99	0,99	0,99	0,99	0,99	0,99	0,99	0,99	
Inrush current	A	<30	<30	<30	<30	<30	<30	<30	<30	<30	
Output ripple	% RMS	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Efficiency (at rated power and no cables)	%	92	92	92	92	92	92	92	93	93	
PROPERTIES											
Ingress protection	IP	IP54 (IP66 optional)	IP54 (IP66 optional)	IP54 (IP66 optional)	IP54 (IP66 optional)	IP54 (IP66 optional)	IP54 (IP66 optional)	IP54 (IP66 optional)	IP54 (IP66 optional)	IP54 (IP66 optional)	
Ambient temperature range (at full capacity)	°C	-35 to +40	-35 to +40	-35 to +40	-35 to +40	-35 to +40	-35 to +40	-35 to +40	-35 to +40	-35 to +40	
Ambient max temp (with reduced capacity)	°C	+55	+55	+55	+55	+55	+55	+55	+55	+55	
Cooling	-	Fan	Fan	Fan	Fan	Passive	Fan	Fan	Fan	Fan	
Short circuit protection	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Wrong polarity protection	-	Fuse	Fuse	Yes	Yes	Yes	Fuse	Fuse	Fuse	Fuse	
Cabinet type	-	S11	S11	S10	S11	S13	S11	S11	S11	S12	
Certifications	-	CE	CE	CE	CE	CE	CE	CE	CE	CE	
HMI	-	LED	LED	LED	LED	LED	LED	LED	LED	LED	
HMI Language	-	-	-	-	-	-	-	-	-	-	
Radio communication	-	No	No	No	No	No	No	No	No	No	
Charging curve set (specification tab)	-	See website	See website	See website	See website	See website	See website	See website	See website	See website	
I/O-cards	-	No	No	No	No	No	No	No	No	No	
Accessories (accessories tab)	-	See website	See website	See website	See website	See website	See website	See website	See website	See website	
CHARGING TIMES (Charging Curve: LK10-18 with Chemical Acid Circulation)											
6 h	Ah C5	287	287	115	115	115	230	230	344	344	
8 h	Ah C5	416	416	166	166	166	333	333	500	500	
10 h	Ah C5	555	555	222	222	222	444	444	667	667	
12 h	Ah C5	666	666	266	266	266	533	533	800	800	
CHARGER DIMENSIONS											
Charger weight excl. cables	kg	5,3	5,3	4,8	4,8	5,4	4,8	5,3	5,3	5,3	
Charger weight incl. cables	kg	7,0	7,0	5,8	5,8	6,4	6,5	7,0	7,0	7,0	
Dimensions	-	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing	
Fixing center points	-	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing	
Min spacing required	mm	300	300	300	300	300	300	300	300	300	
SHIPPING DIMENSIONS											
Box height	mm	140	140	130	130	130	140	140	140	140	
Box width	mm	550	550	500	500	500	550	550	550	550	
Box depth	mm	280	280	290	290	290	280	280	280	280	
Shipping weight	kg	7,9	7,9	6,7	6,7	7,3	7,4	7,9	7,9	7,9	