

TECHNICAL DATA

SHARP 20 BATTERY CHARGER

STATED DATA ACCORDING TO MICROPOWER STANDARD

VARIABLE	UNIT	VALUE	924127	924130	924132	924134	924224	924227	924231	924234
Part number	-	924124	924127	924130	924132	924134	924224	924227	924231	924234
Model	-	SHARP 20	SHARP 20	SHARP 20	SHARP 20	SHARP 20	SHARP 20	SHARP 20	SHARP 20	SHARP 20
Type	-	12/20	12/30	12/40	12/50	12/60	24/20	24/30	24/45	24/60
Output voltage	V	12	12	12	12	12	24	24	24	24
Output current (at 2,4 Vpc)	A	20	30	40	50	60	20	30	45	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	220-240	220-240	220-240	220-240	220-240	220-240	220-240	220-240	220-240
Mains current (at min rated mains V)	A	1,57	2,36	3,15	3,82	4,72	3,00	4,51	6,76	8,95
Mains current (at max rated mains V)	A	1,44	2,16	2,88	3,50	4,33	2,75	4,13	6,19	8,20
Max mains fuse	A	16	16	16	16	16	16	16	16	16
Mains cable dimensions	mm2	3x1,5	3x1,5	3x1,5	3x1,5	3x1,5	3x1,5	3x1,5	3x1,5	3x1,5
Mains cable length	m	3	3	3	3	3	3	3	3	3
Mains connector (included)	-	10A Schuko	10A Schuko	10A Schuko	10A Schuko	10A Schuko	10A Schuko	10A Schuko	10A Schuko	10A Schuko
BATTERY CONNECTION										
Battery cable	mm2	2x6	2x6	2x6	2x6	2x10	2x6	2x6	2x10	2x10
Battery cable length	m	2	2	2	2	2	2	2	2	2
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	<5	<5	<5	<5	<5	<5	<5	<5	<5
Power consumption	W	342	514	686	832	1028	653	982	1472	1949
Apparent power consumption	VA	345	519	693	840	1038	660	992	1487	1969
Power factor	-	0,99	0,99	0,99	0,99	0,99	0,99	0,99	0,99	0,99
Inrush current	A	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
Output ripple	% RMS	<1	<1	<1	<1	<1	<1	<1	<1	<1
Efficiency (at rated power and no cables)	%	85	85	85	85	85	89	89	89	89
PROPERTIES										
Ingress protection	IP	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Ambient temperature range (at full capacity)	°C	-5 to +40	-5 to +40	-5 to +40	-5 to +40	-5 to +40	-5 to +40	-5 to +40	-5 to +40	-5 to +40
Ambient max temp (with reduced capacity)	°C	50	50	50	50	50	50	50	50	50
Cooling	-	Fan	Fan	Fan	Fan	Fan	Fan	Fan	Fan	Fan
Short circuit protection	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Wrong polarity protection	-	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Cabinet type	-	P4	P4	P4	P4	P6	P4	P4	P6	P6
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: LK10-04 with Chemical Acid Circulation)										
6 h	Ah C5	102	153	204	255	306	102	153	229	306
8 h	Ah C5	153	230	306	383	459	153	230	345	459
10 h	Ah C5	209	314	418	523	627	209	314	471	627
12 h	Ah C5	266	399	532	665	798	266	399	598	798
CHARGER DIMENSIONS										
Charger weight excl. cables	kg	1,5	1,5	1,5	1,5	2,3	1,5	1,5	2,3	2,3
Charger weight incl. cables	kg	2,1	2,1	2,1	2,1	3,1	2,1	2,1	3,1	3,1
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	150	150	150	150	150	150	150	150	150
SHIPPING DIMENSIONS										
Box height	mm	140	140	140	140	140	140	140	140	140
Box width	mm	200	200	200	200	250	200	200	250	250
Box depth	mm	310	310	310	310	390	310	310	390	390
Shipping weight	kg	2,6	2,6	2,6	2,6	3,7	2,6	2,6	3,7	3,7

TECHNICAL DATA

SHARP 20 BATTERY CHARGER

STATED DATA ACCORDING TO MICROPOWER STANDARD

VARIABLE	UNIT	924324	924330	924419	924427
Part number	-	924324	924330	924419	924427
Model	-	SHARP 20	SHARP 20	SHARP 20	SHARP 20
Type	-	36/20	36/40	48/15	48/30
Output voltage	V	36	36	48	48
Output current (at 2,4 Vpc)	A	20	40	15	30
MAINS DATA					
Mains phase	-	1 Phase	1 Phase	1 Phase	1 Phase
Mains voltage supply	V	220-240	220-240	220-240	220-240
Mains current (at min rated mains V)	A	4,48	8,83	4,48	8,66
Mains current (at max rated mains V)	A	4,11	8,09	4,11	7,94
Max mains fuse	A	16	16	16	16
Mains cable dimensions	mm ²	3x1,5	3x1,5	3x1,5	3x1,5
Mains cable length	m	3	3	3	3
Mains connector (included)	-	10A Schuko	10A Schuko	10A Schuko	10A Schuko
BATTERY CONNECTION					
Battery cable	mm ²	2x6	2x10	2x6	2x10
Battery cable length	m	2	2	2	2
Battery connector (not included)	-	User defined	User defined	User defined	User defined
ELECTRIC DATA					
Standby power consumption	W	<5	<5	<5	<5
Power consumption	W	976	1923	976	1886
Apparent power consumption	VA	986	1943	986	1905
Power factor	-	0,99	0,99	0,99	0,99
Inrush current	A	Negligible	Negligible	Negligible	Negligible
Output ripple	% RMS	<1	<1	<1	<1
Efficiency (at rated power and no cables)	%	89	89	89	89
PROPERTIES					
Ingress protection	IP	IP20	IP20	IP20	IP20
Ambient temperature range (at full capacity)	°C	-5 to +40	-5 to +40	-5 to +40	-5 to +40
Ambient max temp (with reduced capacity)	°C	50	50	50	50
Cooling	-	Fan	Fan	Fan	Fan
Short circuit protection	-	Yes	Yes	Yes	Yes
Wrong polarity protection	-	Electronic	Electronic	Electronic	Electronic
Cabinet type	-	P4	P6	P4	P6
Certifications	-	CE	CE	CE	CE
HMI	-	LED	LED	LED	LED
HMI Language	-	-	-	-	-
Radio communication	-	No	No	No	No
Charging curve set (specification tab)	-	See website	See website	See website	See website
I/O-cards	-	No	No	No	No
Accessories (accessories tab)	-	See website	See website	See website	See website
CHARGING TIMES (Charging Curve: LK10-04 with Chemical Acid Circulation)					
6 h	Ah C5	102	204	76	153
8 h	Ah C5	153	306	115	230
10 h	Ah C5	209	418	157	314
12 h	Ah C5	266	532	199	399
CHARGER DIMENSIONS					
Charger weight excl. cables	kg	1,5	2,3	1,5	2,3
Charger weight incl. cables	kg	2,1	3,1	2,1	3,1
Dimensions	-	See drawing	See drawing	See drawing	See drawing
Fixing center points	-	See drawing	See drawing	See drawing	See drawing
Min spacing required	mm	150	150	150	150
SHIPPING DIMENSIONS					
Box height	mm	140	140	140	140
Box width	mm	200	250	200	250
Box depth	mm	310	390	310	390
Shipping weight	kg	2,6	3,7	2,6	3,7