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TRS-STAR



Intercel

Product Portfolio

TRS-STAR DISTRIBUTOR OF



**CELL
POWER**

*CP 6V Series
for standby & cyclic use*

Type	Nominal voltage (V)	20h Nominal capacity (Ah)	Dimensions l x w x h (mm)	Approx. weight (kg)	Terminal type	Units per box	Units per pallet
CP 1.2-6	6	1.2	97 x 24 x 58	0.31	Faston 4.8 mm	20	1960
CP 3.2-6	6	3.2	134 x 35 x 67	0.66	Faston 4.8 mm	20	1280
CP 3.5-6	6	3.5	194 x 25 x 56	0.62	Faston 4.8 mm	10	1100
CP 4-6	6	4	70 x 47 x 107	0.7	Faston 4.8 mm	20	1200
CP 7-6	6	7	151 x 34 x 100	1.2	Faston 4.8 mm	10	700
CP 12-6	6	12	151 x 50 x 100	1.85	Faston 4.8 mm	10	400
CP 12-6L	6	12	151 x 50 x 100	1.92	Faston 6.3 mm	10	400



**CELL
POWER**

CP 12V Series
for standby & cyclic use

Type	Nominal voltage (V)	20h Nominal capacity (Ah)	Dimensions l x w x h (mm)	Approx. weight (kg)	Terminal type	Units per box	Units per pallet
CP 0.8-12	12	0.8	96 x 25 x 62	0.4	AMP Connector	20	1680
CP 1.2-12*	12	1.2	97 x 43 x 58	0.54	Faston 4.8 mm	20	1200
CP 2-12 M	12	2	150 x 20 x 90	0.68	Faston 4.8 mm	20	1200
CP 2.2-12*	12	2.2	178 x 34 x 66	1.1	Faston 4.8 mm	10	960
CP 2.3-12 C	12	2.3	182 x 23 x 61	0.73	Side contacts	10	1200
CP 2.9-12	12	2.9	79 x 56 x 105	1.05	Faston 4.8 mm	10	840
CP 3.2-12*	12	3.2	134 x 67 x 67	1.3	Faston 4.8 mm	10	660
CP 4.5-12	12	4.5	195 x 47 x 74	1.6	Faston 4.8 mm	10	600
CP 5-12	12	5	90 x 70 x 107	1.72	Faston 4.8 mm	10	480
CP 7-12*	12	7	151 x 65 x 102	2.2	Faston 4.8 mm	8	320
CP 7-12L	12	7	151 x 65 x 102	2.2	Faston 6.3 mm	8	320
CP 12-12*	12	12	151 x 98 x 101	3.7	Faston 6.3 mm	4	240
CP 18-12I*	12	18	181 x 77 x 167	5.5	Inserted M5	2	168
CP 20-12B	12	20	181 x 77 x 167	6.1	Flag Terminal M5	2	144
CP 26-12I*	12	26	166 x 176 x 125	9.3	Inserted M5	1	96
CP 40-12I*	12	40	197 x 165 x 170	13.5	Inserted M6	1	72
CP 65-12I*	12	65	350 x 167 x 175	20.5	Inserted M6	1	36

* VdS-certificate



**CELL
POWER**

*CPL Series
standby long life (10-12 years)*

Type	Nominal voltage (V)	20h Nominal capacity (Ah)	Dimensions l x w x h (mm)	Approx. weight (kg)	Terminal type	Units per box	Units per pallet
CPL 9 - 12L	12	9	151 x 65 x 102	2.7	Faston 6.3 mm	5	360
CPL 12 - 12	12	12	151 x 98 x 101	3.8	Faston 6.3 mm	4	200
CPL 18-12	12	18	182 x 77 x 168	6.0	Inserted M5	2	168
CPL 28 - 12I	12	28	166 x 175 x 125	9.0	Inserted M5	1	96
CPL 28 - 12IA	12	28	165 x 125 x 175	9.5	Inserted M5	1	96
CPL 33 - 12	12	33	195 x 130 x 168	10.2	Inserted M6	1	84
CPL 45 - 12I	12	45	197 x 165 x 170	13.8	Inserted M6	1	72
CPL 55 - 12I	12	55	229 x 138 x 213	18.5	Inserted M6	1	42
CPL 65 - 12IJ	12	65	350 x 167 x 178	21	Inserted M6	1	36
CPL 80 - 12	12	80	260 x 170 x 205	24.37	Inserted M6	1	32
CPL 100 - 12	12	100	306 x 168 x 214	30.5	Inserted M6	1	24
CPL 135 - 12	12	135	344 x 171 x 280	45.5	Inserted M8	1	24
CPL 150 - 12	12	150	485 x 170 x 240	48.2	Inserted M8	1	16
CPL 250 - 12	12	250	522 x 268 x 226	77	Inserted M8	1	8



**CELL
POWER**

*CPF Series
Front Access for Long Life (10-12 years)*

Type	Nominal voltage (V)	20h Nominal capacity (Ah)	Dimensions l x w x h (mm)	Approx. weight (kg)	Terminal type	Units per box	Units per pallet
CPF 50-12	12	50	277 x 106 x 229	17.3	Inserted M6	1	48
CPF 100-12	12	100	508 x 110 x 238.5	32.5	Inserted M6	1	24
CPF 105-12	12	105	395 x 110 x 293	35	Inserted M8	1	24
CPF 125-12	12	125	436 x 108 x 317	40	Inserted M6	1	12
CPF 140-12	12	140	552 x 110 x 295	49	Inserted M8	1	12
CPF 155-12	12	155	546 x 125 x 315	59	Inserted M6	1	10
CPF 180-12	12	180	546 x 125 x 323	58.5	Inserted M8	1	10



**CELL
POWER**

**CPH Series
for high currents (UPS)**



Type	Nominal voltage (V)	20h Nominal capacity (Ah)	Dimensions l x w x h (mm)	Approx. weight (kg)	Terminal type	Units per box	Units per pallet
CPH 5-12	12	5	90 x 70 x 107	1.9	Faston 6.3 mm	10	480
CPH 6-12	12	6	151 x 51 x 101	1.93	Faston 4.8/6.3 mm	5	420

**CPW Series
for standby Long Life (10 - 12 years) & high current**

Type	Nominal voltage (V)	20h Nominal capacity (Ah)	Dimensions l x w x h (mm)	Approx. weight (kg)	Terminal type	Units per box	Units per pallet
CPW 30-12	12	5	90 x 70 x 106	1.8	Faston 6.3 mm	8	448
CPW 35-12	12	7	151 x 65 x 98	2.54	Faston 4.8 mm	6	360
CPW 35-12L	12	7	151 x 65 x 98	2.54	Faston 6.3 mm	6	360
CPW 50-12	12	8.5	151 x 65 x 100	2.75	Faston 6.3 mm	6	288
CPW 80-12	12	15	151 x 98 x 98	4.2	Faston 6.3 mm	4	192
CPW 110-12	12	22	181 x 76 x 166	6.5	Inserted M5	2	144
CPW 140-12	12	28	165 x 125 x 175	9.6	Inserted M5	2	102
CPW 160-12	12	33	195 x 129 x 168	11.25	Inserted M6	1	75
CPW 200-12	12	40	197 x 165 x 171	14.3	Inserted M6	1	72
CPW 270-12	12	55	228 x 139 x 202	17.8	Inserted M6	1	50
CPW 390-12	12	80	261 x 173 x 215	26	Inserted M6	1	32
CPW 450-12	12	90	306 x 173 x 202	29.8	Inserted M6	1	28
CPW 530-12	12	110	330 x 173 x 214	34.4	Inserted M6	1	24
CPW 650-12	12	135	344 x 173 x 277	41.1	Inserted M8	1	24
CPW 750-12	12	155	344 x 173 x 277	45.5	Inserted M8	1	24



**CELL
POWER**

*CPC Series
specially designed for cyclic applications*

Type	Nominal voltage (V)	10h Nominal capacity (Ah)	Dimensions l x w x h (mm)	Approx. weight (kg)	Terminal type	Units per box	Units per pallet
CPC 225-6	6	225	243 x 187 x 276	33	Inserted M8	1	30
CPC 9-12	12	9	151 x 65 x 100	2.8	Faston 4.8 mm	5	300
CPC 10-12	12	10	151 x 65 x 118,5	3.3	Faston 6.3 mm	5	280
CPC 12-12	12	12	151 x 98 x 98	3.9	Faston 6.3 mm	4	192
CPC 18-12	12	18	181 x 76 x 167	6.08	Inserted M5	2	144
CPC 24-12	12	24	166 x 175 x 125	9.3	Inserted M5	1	96
CPC 33-12	12	33	197 x 131 x 170	10.5	Inserted M5	1	72
CPC 38-12 S*	12	38	197 x 131 x 168	10.7	Inserted M6	1	72
CPC 38-12	12	38	198 x 166 x 171	13.3	Inserted M6	1	72
CPC 50-12*	12	50	198 x 166 x 171	14.3	Inserted M6	1	72
CPC 55-12	12	55	226 x 135 x 214	17	Inserted M6	1	40
CPC 75-12 LW	12	75	260 x 170 x 207	24.4	Inserted M6	1	32
CPC 80-12 AJ	12	80	353 x 175 x 190	24.76	Automotive	1	36
CPC 90-12	12	90	306 x 169 x 215	29	Inserted M6	1	36
CPC 110-12	12	110	330 x 171 x 220	30	Inserted M8	1	36
CPC 120-12	12	120	407 x 175 x 224	37.02	Inserted M8	1	24
CPC 135-12	12	135	341 x 173 x 287	40	Inserted M8	1	24
CPC 150-12	12	150	482 x 170 x 240	44.5	Inserted M8	1	24
CPC 160-12	12	160	530 x 209 x 220	55.5	Inserted M8	1	21
CPC 200-12	12	200	522 x 238 x 223	62.5	Inserted M8	1	12
CPC 250-12	12	250	520 x 269 x 227	74	Inserted M8	1	12

*20h Nominal capacity (Ah)



**CELL
POWER**

CPX Series
for eXtreme cyclic use

Type	Nominal Voltage (V)	20h Rate Capacity (Ah)	Dimensions l x w x h (mm)	Approx. weight (kg)	Terminal type	Units per box	Units per pallet
CPX 20-12	12	20	181 x 76 x 166	6.45	Inserted M5	2	144
CPX 26-12	12	26	175 x 166 x 125	9.6	Inserted M5	2	96
CPX 33-12	12	33	195 x 129 x 179	11.5	Inserted M6	1	75
CPX 40-12	12	40	197 x 165 x 171	14.6	Inserted M6	1	72
CPX 50-12	12	50	197 x 165 x 171	16.5	Inserted M6	1	72
CPX 60-12	12	60	260 x 168 x 183	20.5	Inserted M6	1	48
CPX 63-12	12	63	275 x 171 x 188	20.7	Inserted M6	1	48
CPX 80-12	12	80	260 x 168 x 215	25.5	Inserted M6	1	34
CPX 115-12	12	115	330 x 172 x 220	33.5	Inserted M8	1	36



CPT Series
for cyclic applications which require larger semi-traction batteries

Type	Nominal Voltage (V)	20h Rate Capacity (Ah)	Dimensions l x w x h (mm)	Approx. weight (kg)	Terminal type	Units per box	Units per pallet
CPT 200-6	6	200	260 x 180 x 274	30	Automotive	1	32
CPT 288-6	6	288	295 x 180 x 366	48.9	Automotive	1	18
CPT 215-12	12	215	386 x 180 x 367	66.5	Automotive	1	12

**CELL
POWER**

*CPFC Series
Front Access specially designed for cyclic applications*

Type	Nominal Voltage (V)	20h Rate Capacity (Ah)	Dimensions l x w x h (mm)	Approx. weight (kg)	Terminal type	Units per box	Units per pallet
CPFC 50-12	12	50	277 x 106 x 222	17.9	Inserted M6	1	48
CPFC 100-12	12	100	508 x 110 x 238	32	Inserted M6	1	24
CPFC 105-12	12	105	395 x 110 x 286	35	Inserted M6	1	24
CPFC 125-12	12	125	436 x 108 x 317	40	Inserted M6	1	12
CPFC 140-12	12	140	552 x 111 x 297	49.5	Inserted M6	1	12
CPFC 155-12	12	155	546 x 125 x 315	59	Inserted M6	1	10
CPFC 180-12	12	180	546 x 125 x 327	58.5	Inserted M6	1	10



pbq LiFePO4 Series
for cyclic 12V applications



Type	Nominal Voltage (V)	Nominal Capacity (AH)	Nominal Energy (Wh)	Max discharge current (A)	Max charge current (A)	Dimensions l x w x h (mm)	Approx. weight (kg)
pbq LF 3-12	12.8	3	38.4	10	1.5	90 x 70 x 101	0.6
pbq LF 4-12	12.8	4	51.2	10	2.5	90 x 70 x 101	0.8
pbq LF 5-12	12.8	5	64	10	2.5	90 x 70 x 101	0.90
pbq LF 7.5-12	12.8	7,5	96	20	3.75	151 x 65 x 94	1.3
pbq LF 10-12	12.8	10	128	20	5	151 x 65 x 94	1.5
pbq LF 12-12	12.8	12	153.6	20	6	151 x 98 x 95	1.6
pbq LF 15-12	12.8	15	192	20	7.5	151 x 98 x 95	1.9
pbq LF 16-12	12.8	18	230.4	30	9	181 x 77 x 167	2.8
pbq LF 20-12	12.8	20	256	30	10	181 x 77 x 167	3.12
pbq LF 33-12	12.8	33	422.4	30	16	195 x 130 x 155	5.4
pbq LF 40-12	12.8	40	512	50	20	195 x 130 x 155	6.4
pbq LF 55-12	12.8	55	704	50	27.5	239 x 132 x 205	8.5
pbq LF 60-12	12.8	60	768	30	30	239 x 132 x 205	9.5
pbq LF 80-12	12.8	80	1024	80	20	258 x 166 x 206	12.3
pbq LF 100-12	12.8	100	1280	80	40	395 x 110 x 293	14.3



pbq LiFePO4 Series
for cyclic 24V applications

Type	Nominal Voltage (V)	Nominal Capacity (Ah)	Nominal Energy (Wh)	Max discharge current (A)	Max charge current (A)	Dimensions l x w x h (mm)	Approx. weight (kg)
pbq LF 3-24	25.6	3	76.8	10	1,5	151 x 65 x 94	0.9
pbq LF 4-24	25.6	4	102.4	10	2,5	151 x 65 x 94	1.35
pbq LF 5-24	25.6	5	128	10	2,5	151 x 65 x 94	1.7
pbq LF 7.5-24	25.6	7,5	192	20	3,75	181 x 77 x 167	2.65
pbq LF 10-24	25.6	10	256	20	5	181 x 77 x 167	3.1
pbq LF 12-24	25.6	12	307.2	20	6	195 x 130 x 155	3.6
pbq LF 15-24	25.6	15	384	20	7,5	195 x 130 x 155	5
pbq LF 18-24	25.6	18	460.8	30	9	195 x 130 x 155	5.6
pbq LF 20-24	25.6	20	512	30	10	195 x 130 x 155	6.4
pbq LF 30-24	25.6	30	768	30	16	239 x 132 x 205	9.85
pbq LF 33-24	25.6	33	844.8	30	16	303 x 165 x 198	9.85
pbq LF 40-24	25.6	40	1024	30	20	303 x 165 x 198	11
pbq LF 55-24	25.6	55	1408	30	27,5	436 x 108.2 x 317	16
pbq LF 60-24	25.6	60	1536	30	30	436 x 108.2 x 317	18
pbq LF 80-24	25.6	80	2048	30	20	546 x 128 x 322	24
pbq LF 100-24	25.6	100	2560	30	40	520.5 x 269 x 203.5	30.5



Type	Nominal Voltage (V)	Nominal Capacity (Ah)	Nominal Energy (Wh)	Max discharge current (A)	Max charge current (A)	Dimensions l x w x h (mm)	Approx. weight (kg)
pbq LF 3-36	38.4	3	115.2	10	1.5	181 x 77 x 167	1.5
pbq LF 4-36	38.4	4	153.6	10	2.5	181 x 77 x 167	2.1
pbq LF 5-36	38.4	5	192	10	2.5	181 x 77 x 167	2.2
pbq LF 7.5-36	38.4	7,5	288	20	3.75	175 x 166 x 125	4.5
pbq LF 10-36	38.4	10	384	20	5	175 x 166 x 125	5
pbq LF 12-36	38.4	12	460.8	20	6	175 x 166 x 125	5.3
pbq LF 15-36	38.4	15	576	20	7,5	175 x 166 x 125	7.2
pbq LF 18-36	38.4	18	691.2	30	9	239 x 132 x 205	8.5
pbq LF 20-36	38.4	20	768	30	10	239 x 132 x 205	9.2
pbq LF 33-36	38.4	33	1267.2	30	16	409 x 177 x 227	16.5
pbq LF 40-36	38.4	40	1536	50	20	409 x 177 x 227	18
pbq LF 55-36	38.4	55	2112	50	27.5	522.5 x 239.5 x 218	24.5
pbq LF 60-36	38.4	60	2304	30	30	522.5 x 239.5 x 218	27.5
pbq LF 80-36	38.4	80	3072	80	20	-	-
pbq LF 100-36	38.4	100	3840	80	40	-	-

Type	Nominal Voltage (V)	Nominal Capacity (Ah)	Nominal Energy (Wh)	Max discharge current (A)	Max charge current (A)	Dimensions l x w x h (mm)	Approx. weight (kg)
pbq LF 2-48	51.2	2	102.4	10	1	151 x 98 x 95	1.95
pbq LF 3-48	51.2	3	153.6	10	1.5	151 x 98 x 95	2.1
pbq LF 5-48	51.2	5	256	20	2.5	166 x 175 x 125	4.9
pbq LF 10-48	51.2	10	512	30	5	442 x 275 x 44	8,2
pbq LF 20-48	51.2	20	1024	50	10	442 x 275 x 44	17.5
pbq LF 30-48	51.2	30	1536	50	15	442 x 350 x 88	23.5
pbq LF 40-48	51.2	40	2048	30	20	442 x 300 x 132	32
pbq LF 50-48	51.2	50	2560	80	20	442 x 360 x 132	37.5

CELL POWER

CPS Series
for standby & cyclic use



Type	Nominal Voltage (V)	10h Rate Capacity (Ah)	Dimensions l x w x h (mm)	Approx. weight (kg)	Terminal type	Units per box	Units per pallet
CPS 200-2	2	60	173 x 111 x 330	15	Inserted M8	1	42
CPS 300-2	2	95	171 x 151 x 364	20	Inserted M8	1	25
CPS 400-2	2	100	210 x 176 x 330	28	Inserted M8	1	30
CPS 600-2	2	105	302 x 175 x 330	40	Inserted M8	1	20

CELL POWER

Batterij accessories

Batterij Alert

Type	Description	Dimensions (l x w x h)	Approx. weight (kg)	Quantity per box
BA 12 – 24V	Cellpower Battery Alert 12/24V	45 x 20	0.028	1

Batterij Equalizer

Type	Description	Dimensions (l x w x h)	Approx. weight (kg)	Quantity per box
BE 24-1	Cellpower Battery Equalizer 2 x 12V	100 x 90 x 35	0.097	1

Galvanic Isolator

Type	Description	Dimensions (l x w x h)	Approx. weight (kg)	Quantity per box
GI 16	Galvanic Isolator 16A, corrosion stopper	200 x 120 x 60	1.074	1



**CELL
POWER**

Batterij accessories

Batterij Bewaker

Type	Description	Dimensions (lxwxh)	Approx. weight (kg)	Quantity per box
BG 10	Cellpower Battery Guard 12/24V-10A	60 x 25 x 5	0.013	12
BG 18	Cellpower Battery Guard 12/24V-18A	60 x 25 x 5	0.013	12
BG 40	Cellpower Battery Guard 12/24V-40A IP65	88 x 49 x 64	0.2	12
BG 60	Cellpower Battery Guard 12/24V-60A IP65	60 x 40 x 80	0.2	12
BG 100	Cellpower Battery Guard 12/24V-100A IP65	120 x 110 x 60	0.8	12
BG 200	Cellpower Battery Guard 12/24V-200A IP65	120 x 110 x 60	0.8	12

Batterij Separator

Type	Description	Dimensions (lxwxh)	Approx. weight (kg)	Quantity per box
BS 100/12/24	Cellpower Battery Separator microproc. operated 100A/12V/24V	46 x 46 x 80	0.11	12
BS 140/12/24	Cellpower Battery Separator microproc. operated 140A/12V/24V	46 x 46 x 80	0.11	12
BS 500/12/24	Cellpower Battery Separator microproc. operated 500A/12V/24V	80 x 70 x 72	0.417	4
BSW 160/12/24*	Cellpower Battery Separator microproc. operated 160A/12V/24V	108 x 72 x 58	0.47	4
BSW 500/12/24*	Cellpower Battery Separator microproc. operated 500A/12V/24V	80 x 70 x 72	0.9	4

* Watertight

Batterij Watch

Type	Description	Dimensions (lxwxh)	Approx. weight (kg)	Quantity per box
BW 01	Battery Watch with alert 12/24V	65 x 65 x 25	0.036	1
BW 03 R	Battery Watch with alert 1x12V/24V, 2 x12V/24V, 1x12V&1x24V, red LED	60 x 20	0.07	1
BW 03 G	Battery Watch with alert 1x12V/24V, 2 x12V/24V, 1x12V&1x24V, green LED	60 x 20	0.07	1

**CELL
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Batterij accessories

DC/DC Converter

Type	Description	Dimensions (lxwxh)	Approx. weight (kg)	Quantity per box
SMC 05	Cellpower DC/DC Converter 72W/5,5A, in: 18-35V, out: 13,8V	68 x 88 x 49	0.17	12
SMC 06 HV	Cellpower DC/DC Converter 6A, in: 60V, out: 13,8V	86 x 88 x 49	0.2	12
SMC 08	Cellpower DC/DC Converter 105W/8A, in: 18-35V, out: 13,4V	98 x 88 x 49	0.245	12
SMC 12	Cellpower DC/DC Converter 158W/12A, in: 20-35V, out: 13,4V	98 x 88 x 49	0.262	12
SMC 20	Cellpower DC/DC Converter 276W/20A, in: 20-35V, out: 13,8V	126 x 88 x 49	0.477	12
SMC 30	Cellpower DC/DC Converter 414W/30A, in: 20-35V, out: 13,8V	151 x 88 x 49	0.6	12
SMC 60	Cellpower DC/DC Converter 828W/60A, in: 20-35V, out: 13,8V	180 x 100 x 88	1.6	6
SMCH 0735 12-3	Cellpower DC/DC Converter 19-38W/1,5-3A, in: 7-35V, out: 12,6V	160 x 163 x 64	1.4	12
SMCH 1224-330	Cellpower DC/DC Converter 330W/12A, in: 9-18V, out: 27,6V	160 x 163 x 64	1.4	12
SMUC 0612 7	Cellpower DC/DC Converter 80W/7A, in: 5-7V, out: 12V	152 x 88 x 49	0.5	12
SMUC 1224 7	Cellpower DC/DC Converter 170W/7A, in: 10-16V, out: 24V	152 x 88 x 49	0.5	12
SMUC 1224 10	Cellpower DC/DC Converter 240W/10A, in: 10-16V, out: 24V	152 x 88 x 49	0.5	12
TDC 640/650	Cellpower trailer DC/DC Converter 50W/5A, in: 24V, out: 12V, with 6 exits	152 x 88 x 49	0.5	12
SMG 1212-100	Cellpower DC/DC Galvanic Converter 100W/8A, in: 9-18v, out: 12,5V	152 x 88 x 49	0.5	12
SMG 1212-200	Cellpower DC/DC Galvanic Converter 200W/15A, in: 9-18V, out: 12,5V	182 x 88 x 49	0.6	12
SMG 1212-360	Cellpower DC/DC Galvanic Converter 360W/25A, in: 9-18V, out: 12,5V	160 x 163 x 64	1.4	6
SMG 1224-100	Cellpower DC/DC Galvanic Converter 100W/4A, in: 20-35V, out: 24V	152 x 88 x 49	0.5	12
SMG 1224-200	Cellpower DC/DC Galvanic Converter 200W/7,5A, in: 9-18V, out: 24V	182 x 88 x 49	0.6	12
SMG 1224-360	Cellpower DC/DC Galvanic Converter 360W/12,5A, in: 9-18V, out: 24V	160 x 163 x 64	1.4	6



**CELL
POWER**

Batterij accessories

DC/DC Converter

Type	Description	Dimensions (lxwxh)	Approx. weight (kg)	Quantity per box
SMG 2412-100	Cellpower DC/DC Galvanic Converter 100W/8A, in: 20-35V, out: 12,5V	152 x 88 x 49	0.5	12
SMG 2412-200	Cellpower DC/DC Galvanic Converter 200W/15A, in: 20-35V, out: 12,5V	182 x 88 x 49	0.6	12
SMG 2412-360	Cellpower DC/DC Galvanic Converter 360W/25A, in: 20-35V, out: 12,5V	160 x 163 x 64	1.4	6
SMG 2424-100	Cellpower DC/DC Galvanic Converter 100W/4A, in: 20-35V, out: 24V	152 x 88 x 49	0.5	12
SMG 2424-200	Cellpower DC/DC Galvanic Converter 200W/7,5A, in: 20-35V, out: 24,5V	182 x 88 x 49	0.6	12
SMG 2424-360	Cellpower DC/DC Galvanic Converter 360W/12,5A, in: 20-35V, out: 24V	160 x 163 x 64	1.4	6
SMG 3 A	Cellpower DC/DC Galvanic Converter 3A, in: 18-35V, out: 12,6V	86 x 88 x 49	0.2	12
SMG 4812-100	Cellpower DC/DC Galvanic Converter 100W/8A, in: 30-60V, out: 12,5V	152 x 88 x 49	0.5	12
SMG 4812-200	Cellpower DC/DC Galvanic Converter 200W/15A, in: 30-60V, out: 12,5V	182 x 88 x 49	0.6	12
SMG 4812-360	Cellpower DC/DC Galvanic Converter 360W/25A, in: 30-60V, out: 12,5V	160 x 163 x 64	1.4	6
SMG 4824-100	Cellpower DC/DC Galvanic Converter 100W/4A, in: 30-60V, out: 24V	152 x 88 x 49	0.5	12
SMG 4824-200	Cellpower DC/DC Galvanic Converter 200W/7,5A, in: 30-60V, out: 24,5V	182 x 88 x 49	0.6	12
SMG 4824-360	Cellpower DC/DC Galvanic Converter 360W/12,5, in: 30-60V, out: 24V	160 x 163 x 64	1.4	6
SMG 7212-100	Cellpower DC/DC Galvanic Converter 100W/8A, in: 60-120V, out: 12,5V	152 x 88 x 49	0.5	12
SMG 7212-200	Cellpower DC/DC Galvanic Converter 200W/15A, in: 60-120V, out: 24,5V	182 x 88 x 49	0.6	12
SMG 7212-360	Cellpower DC/DC Galvanic Converter 360W/25A, in: 60-120V, out: 12,5V	160 x 163 x 64	1.4	6
SMG 7224-100	Cellpower DC/DC Galvanic Converter 100W/4A, in: 60-120V, out: 24V	152 x 88 x 49	0.5	12
SMG 7224-200	Cellpower DC/DC Galvanic Converter 200W/7,5A, in: 60-120V, out: 24,5V	182 x 88 x 49	0.6	12
SMG 7224-360	Cellpower DC/DC Galvanic Converter 360W/12,5, in: 60-120V, out: 24V	160 x 163 x 64	1.4	6





C&D Series
for UPS systems, standby Long Life (10 - 12 years)

Type	Nominal Voltage (V)	20h Rate Capacity (Ah)	Dimensions l x w x h (mm)	Approx. weight (kg)	Terminal type	Units per box	Units per pallet
UPS 12-150 MRX	12	36	197 x 132 x 173	12.4	Insert	1	136
UPS 12-200 MRX	12	56	229 x 139 x 205	17.7	Insert	1	112
UPS 12-220 MRX	12	56	229 x 139 x 205	19	Insert	1	108
UPS 12-280 MRX	12	84	273 x 174 x 204	25.7	Insert	1	64
UPS 12-320 MRX	12	84	273 x 174 x 204	27	Insert	1	64
UPS 12-370 MRX	12	102	319 x 173x 205	31.5	Insert	1	56
UPS 12-400 MRX	12	110	341 x 173 x 216	35.3	Insert	1	56
UPS 12-475 MRX	12	114	341 x 173 x 216	38	Insert	1	52
UPS 12-490 MRX	12	150	345 x 173 x 278	46.6	Insert	1	36
UPS 12-550 MRX	12	154	345 x 173 x 278	48.6	Insert	1	36



CELL POWER

Cellpower NiCd packs & sticks

Type	Model	Configuration	Cell pcs.	Voltage	Capacity	Dimensions (l x) d x w	Weight (grs.)
N203 *	NiCd pack HT	2x D-Cell Row	2	2.4	4.5	68x34x61mm	266
N205 *	NiCd stick HT	2x D-Cell Stick	2	2.4	4.5	34x122mm	266
N207 *	NiCd pack HT	2x SC-Cell Row	2	2.4	1.5	44x22x42mm	96
N208 *	NiCd stick HT	2x SC-Cell Stick	2	2.4	1.5	23x84mm	0
N209 *	NiCd pack HT	2x C-Cell Row	2	2.4	2.5	54x27x50mm	140
N210 *	NiCd stick HT	2x C-Cell Stick	2	2.4	2.5	27x100mm	140
N304 *	NiCd pack HT	3x C-Cell Row	3	3.6	2.5	80x27x50mm	210
N306 *	NiCd pack HT	3x D-Cell Row	3	3.6	4.5	102x34x61mm	400
N307 *	NiCd stick HT	3x C-Cell Stick	3	3.6	2.5	26x146mm	215
N309 *	NiCd stick HT	3x D-Cell Stick	3	3.6	4.5	34x183mm	400
N314 *	NiCd stick HT	3x SC-Cell Stick	3	3.6	1.5	23x126mm	144
N315 *	NiCd pack HT	3x SC-Cell Row	3	3.6	1.5	69x23x43mm	144
N316 *	NiCd pack HT	3x 1/2D-Cell Row	3	3.6	2.2	96x34x35mm	250
N404 *	NiCd pack HT	4x D-Cell Row	4	4.8	4.5	136x34x61mm	532
N406 *	NiCd stick HT	4x D-Cell Stick	4	4.8	4.5	34x244mm	532
N408 *	NiCd stick HT	4x SC-Cell Stick	4	4.8	1.5	22x172mm	192
N410 *	NiCd pack HT	4x SC-Cell Row	4	4.8	1.5	88x22x42mm	192
N411 *	NiCd pack HT	4x C-Cell Row	4	4.8	2.5	104x26x50mm	300
N412 *	NiCd stick HT	4x C-Cell Stick	4	4.8	2.5	26x195mm	300
N503 *	NiCd pack HT	5x SC-Cell Row	5	6	1.5	115x23x45mm	240
N510 *	NiCd stick HT	5x SC-Cell Stick	5	6	1.5	23x215mm	240
N504 *	NiCd pack HT	5x C-Cell Row	5	6	2.5	130x26x50mm	375
N507 *	NiCd pack HT	5x D-Cell Row	5	6	4.5	170x34x61mm	670
N509 *	NiCd stick HT	5x D-Cell Stick	5	6	4.5	34x305mm	670
N512	NiCd stick HT	2+3 SC-Cell Row	5	6	1.5	44x22x42 + 69x22x42	0
N513	NiCd stick HT	2+3 SC-Cell Stick	5	6	1.5	23x84 + 23x126	0

* = temperature resistant up to 65 degrees

CELL POWER

Cellpower NiMH packs & accessories

NiMH packs

Type	Model	Configuration	Cell pcs.	Voltage	Capacity	Dimensions (l x) d x w	Weight (grs.)
M401	NiMH pack	4x AA-Cell Stick	4	4.8	1.3	17x200	0
M402	NiMH pack	4x AA-Cell Row	4	4.8	1.3	17x58x52	0
M403	NiMH pack	4x SC-Cell Rhombus	4	4.8	2.2	44x44x42	0
M501	NiMH pack	5x AA-Cell Stick	5	6.0	1.3	17x250	0
M503	NiMH pack	5x AA-Cell Row	5	6.0	1.3	17x73x52	0

Accessoires

Type	Model	Net price each (l)
N001	Famostar connector	0,75
N002	Van Lien/Blessing connector	0,75
N003	Faston connector	0,75
N004	Ecolight connector	0,75
N005	Lighttronics connector	0,75



TBS Electronics inverters

Inverters

Type	Model	Input (Vdc)	Pout nom. (W)	Dimensions (lxwxh)	Approx. weight (kg)
T PS-200-12	TBS Powersine Converter 200VA 12V	12	175	154 x 98 x 130	2.4
T PS-200-24	TBS Powersine Converter 200VA 24V	24	175	154 x 98 x 130	2.4
T PS-200-48	TBS Powersine Converter 200VA 48V	48	175	154 x 98 x 130	2.4
T PS-300-12	TBS Powersine Converter 300VA 12V	12	250	184 x 98 x 130	3.5
T PS-350-24	TBS Powersine Converter 350VA 24V	24	300	184 x 98 x 130	3.5
T PS-450-48	TBS Powersine Converter 450VA 48V	48	300	184 x 98 x 130	3.5
T PS-600-12	TBS Powersine Converter 600VA 12V	12	500	228 x 113 x 163	6.2
T PS-800-24	TBS Powersine Converter 800VA 24V	24	600	228 x 113 x 163	6.2
T PS-800-48	TBS Powersine Converter 800VA 48V	48	600	228 x 113 x 163	6.2
T PS-1000-12	TBS Powersine Converter 1000VA 12V	12	850	351 x 210 x 114	10.5
T PS-1400-24	TBS Powersine Converter 1400VA 24V	24	1000	351 x 210 x 114	10.5
T PS-1600-12	TBS Powersine Converter 1600VA 12V	12	1300	351 x 210 x 114	10.5
T PS-1800-24	TBS Powersine Converter 1800VA 24V	24	1400	351 x 210 x 114	10.5
T PS-1800-48	TBS Powersine Converter 1800VA 48V	48	1400	351 x 210 x 114	10.5
T PS-2000-12	TBS Powersine Converter 2000VA 12V	12	1800	370 x 431 x 132	18.2
T PS-2500-24	TBS Powersine Converter 2500VA 24V	24	2000	370 x 431 x 132	18.2
T PS-3000-12	TBS Powersine Converter 3000VA 12V	12	2600	370 x 431 x 132	18.5
T PS-3500-24	TBS Powersine Converter 3500VA 24V	24	2800	370 x 431 x 132	18.5





TBS Electronics inverter/chargercombi's & Smart battery chargers

Inverter / Charger combi's

Type	Model	Input (Vdc)	Charge Current	Pout nom. (W)	Dimensions (lxwxh)	Approx. weight (kg)
T PC-1600-12-60	TBS Powersine Converter 200VA 12V	12	60	1300	351 x 210 x 114	11
T PC-1800-24-35	TBS Powersine Converter 200VA 12V	24	35	1400	351 x 210 x 114	11
T PC-2000-12-80	TBS Powersine Converter 200VA 12V	12	80	1800	370 x 431 x 132	18.5
T PC-2500-24-50	TBS Powersine Converter 200VA 12V	24	50	2000	370 x 431 x 132	18.5
T PC-3000-12-120	TBS Powersine Converter 200VA 12V	12	120	2600	370 x 431 x 132	19
T PC-3500-24-70	TBS Powersine Converter 200VA 12V	24	70	2800	370 x 431 x 132	19

Smart Battery Chargers

Type	Model	Charge Current	Dimensions (hxwxh)	Approx. weight (kg)
TO C-12-40	TBS Omni-charger 12-40, 12V - 40A	40	351 x 210 x 114	5.8
TO C-12-60	TBS Omni-charger 12-60, 12V - 60A	60	351 x 210 x 114	5.8
TO C-24-20	TBS Omni-charger 24-20, 24V - 20A	20	351 x 210 x 114	5.8
TO C-24-30	TBS Omni-charger 24-30, 24V - 30A	30	351 x 210 x 114	5.8





TBS Electronics Battery Monitors (accessories)

Battery Monitors

Type	Model	Description	Dimensions (Ø1 x Ø2 x d)	Approx. weight (kg)
TE XPERT LITE	High Precision Battery monitor	Input 9..35V, 2 Battery bank, Incl. 500A Shunt	64 x 52 x 79	0.1
TE XPERT PRO	High Precision Battery monitor	Input 9..35V, 2 Battery bank, advanced feat., Incl. 500A Shunt	64 x 52 x 79	0.1
TE XPERT PRO HV	High Precision Battery monitor	Input 14..70V, 2 Battery bank, advanced feat., Incl. 500A Shunt	64 x 52 x 79	0.1

Battery Monitor Accessories

Type	Model	Description
T RS-232	RS-232 Communication Kit	Incl. 'Dashboard' Software and 1.8m RS-232 Cable
T USB	USB Communication Kit	Incl. 'Dashboard' Software and 1.2m USB Cable
T T-SENS 3M	Temperature Sensor Kit 3m	3m Wired Molded Temperature Sensor
T T-SENS 10M	Temperature Sensor Kit 10m	10m Wired Molded Temperature Sensor
T T-SENS 15M	Temperature Sensor Kit 15m	15m Wired Molded Temperature Sensor
T T-SENS 20M	Temperature Sensor Kit 20m	20m Wired Molded Temperature Sensor
T T-SENS 30M	Temperature Sensor Kit 30m	30m Wired Molded Temperature Sensor
T CON-KIT 10M	Connection Kit 10m	10m 3x2x0.5mm ² ; Incl. Fuses and Crimp terminals
T CON-KIT 15M	Connection Kit 15m	15m 3x2x0.5mm ² ; Incl. Fuses and Crimp terminals
T CON-KIT 20M	Connection Kit 20m	20m 3x2x0.5mm ² ; Incl. Fuses and Crimp terminals
T CON-KIT 30M	Connection Kit 30m	30m 3x2x0.5mm ² ; Incl. Fuses and Crimp terminals
T CON-KIT Q 3M	Quick Connection Kit 3m	3m RJ45-RJ45 Cable, Incl. PCB's and Inline Fuse
T CON-KIT Q 10M	Quick Connection Kit 10m	10m RJ45-RJ45 Cable, Incl. PCB's and Inline Fuse
T PRESC PAS 1:5	1:5 Passive Prescaler Kit	Extends e-expert pro Vsense input voltage to 175Vdc
T PRESC PAS 1:10	1:10 Passive Prescaler Kit	Extends e-expert pro Vsense input voltage to 350Vdc
T PRESC ACT 1:5	1:5 Active Prescaler Kit	Extends e-expert pro input voltage to 175Vdc *
T ALARM OUT	Alarm Output Expander	Expands the number of e-expert pro alarm relays from 1 to 4
T SHUNT 1200A	1200A/50mV Shunt	1200Amp Shunt for high current DC Systems

*= Incl. DC-DC converter to power e-expert pro from HV battery





S Electronics General Accessories

General Accessories

Type	Model	Description	Dimensions (l x w x h)	Approx. weight (kg)
T REMOTE	Universal Remote Control (URC)	Intelligent Remote Control with Graphical LCD. For all products with TBSLink Port	130 x 70 x 36	0.14
T REMOTE INVERT	Basic Inverter Remote Control	Simple Remote Control with LED Indicators. For all inverters with TBSLink Port	70 x 70 x 36	0.1
T REMOTE COMBI	Basic Combi Remote Control	Simple Remote Control with LED Indicators. For all inverter/charger combi's	70 x 70 x 36	0.1
T REMOTE OMNI	Basic Charger Remote Control	Simple Remote Control with LED Indicators. For all battery chargers with TBSLink Port	70 x 70 x 36	0.1
T TBSLINK	TBSLink to USB Interface Kit	Incl. 'Dashboard' software*, 1.2m USB and 3m UTP Cable.	NA	NA

* = To configure Powersine Combi and Omnicharge products

ADSYSTEM
INTEGRATED ELECTRONIC SOLUTIONS

DC-UPS

12 Volt DC-UPS

Type	Input	Nominal Voltage	Amperage	Dimensions (lxwxh)	Approx. weight (kg)
AS CBI 123A	115 - 230	12	3	65x115x135	0,6
AS CBI 126A	115 - 230	12	6	65x115x135	0,6
AS CBI 1210A	115 - 230	12	10	65x115x135	0,6
AS CBI 1235A	115 - 230	12	35	150x115x135	1,55



24 Volt DC-UPS

Type	Input	Nominal Voltage	Amperage	Dimensions (lxwxh)	Approx. weight (kg)
AS CBI 243A	115 - 230	24	3	65x115x135	0,6
AS CBI 245A	115 - 230	24	5	65x115x135	0,6
AS CBI 2410A	115 - 230	24	10	100x115x135	0,85
AS CBI 2420A	115 - 230	24	20	150x115x135	1,55



48 Volt DC-UPS

Type	Input	Nominal Voltage	Amperage	Dimensions (lxwxh)	Approx. weight (kg)
AS CBI 485A	115 - 230	48	5	100x115x135	0,85
AS CBI 4810A	115 - 230	48	10	150x115x135	1,55



DC Power Supplies

12 Volt

Type	Input	Nominal Voltage	Amperage	Dimensions (lxwxh)	Approx. weight (kg)
DRA 1202-4	90 - 265	12	2,5	90x40,5x115	0,4
DRA 1205-4	90 - 265	12	5	90x40,5x115	0,4
DRA 1210-4	90 - 265	12	10	125x63,5x126	0,7

24 Volt

Type	Input	Nominal Voltage	Amperage	Dimensions (lxwxh)	Approx. weight (kg)
DRA 2401-4	90 - 265	24	1,25	89x40,5x115	0,4
DRA 2402-4	90 - 265	24	2,8	90x40,5x115	0,4
DRA 2405-4	90 - 265	24	5	125x63,5x126	0,7
DRA 2410-4	90 - 265	24	10	125x83x126	1
DRA 2420-4	90 - 265	24	20	125x175x126	1,8
DRA 2440-4	90 - 265	24	40	230x130x115	0

48 Volt

Type	Input	Nominal Voltage	Amperage	Dimensions (lxwxh)	Approx. weight (kg)
DRA 4802-4	90 - 265	48	2,5	125x63,5x126	0,7
DRA 4805-4	90 - 265	48	5	125x83x126	1
DRA 4810-4	90 - 265	48	10	125x175x126	1,8



MEC VRLA Chargers

12 Volt VRLA Chargers

Type	Input	Nominal Voltage	Amperage	Dimensions (lxwxh)	Approx. weight (kg)
LM 12027-3 S	100 - 240	12	2,7	106 x 60 x 45	0,28
LM 12027-3 T	100 - 240	12	2,7	106 x 60 x 45	0,28
LM 12060-3 T	230	12	6	150 x 110 x 45	0,7
LM 12100-3 T	230	12	10	175 x 110 x 45	0,7
LM 12150-3 T	100 - 240	12	15	230 x 110 x 55	1,4
LM 12200-3 T	100 - 240	12	20	225 x 110 x 51	1,4

24 Volt VRLA Chargers

Type	Input	Nominal Voltage	Amperage	Dimensions (lxwxh)	Approx. weight (kg)
LM 24015-3 S	100 - 240	24	1,5	110 x 64 x 45	0,27
LM 24030-3 T	230	24	3	150 x 110 x 45	0,85
LM 24050-3 T	100 - 240	24	5	175 x 110 x 45	0,85
LM 24050-3 PIN	100 - 240	24	5	175 x 110 x 45	0,85
LM 24110-3 T	230	24	11	225 x 110 x 55	1,4



CELL POWER

Cellpower 12V & 24V VRLA Chargers

12 Volt VRLA Chargers

Type	Input	Nominal Voltage	Amperage	Dimensions (lxwxh)	Approx. weight (kg)
L CP 12005-3 S	100 - 240	12	0,5	90 x 60 x 30	0,1
L CP 12010-3 T	100 - 240	12	1	106 x 50 x 30	0,15
L CP 12-10	100 - 240	12	10	210 x 175 x 65	1,2
L CP 12-20	100 - 240	12	20	210 x 175 x 65	1,3

24 Volt VRLA Chargers

Type	Input	Nominal Voltage	Amperage	Dimensions (lxwxh)	Approx. weight (kg)
L CP 24005-3 S	100 - 240	24	0,5	90 x 60 x 30	0,12
L CP 24010-3 T	100 - 240	24	1	116 x 57 x 38	0,35
L CP 24020-3 PIN	100 - 240	24	2	120 x 60 x 38	0,45
L CP 24050-3 PIN	100 - 240	24	5	175 x 110 x 45	0,45
L CP 24-6	100 - 240	24	6	210 x 175 x 65	1,2
L CP 24-8	100 - 240	24	8	210 x 175 x 65	1,2
L CP 24-12	100 - 240	24	12	210 x 175 x 65	1,3



CELL POWER

Cellpower 36V & 48V VRLA Chargers

36 Volt VRLA Chargers

Type	Input	Nominal Voltage	Amperage	Dimensions (l x w x h)	Approx. weight (kg)
L CP 36012-3 PIN	100 - 240	36	1,2	120 x 60 x 38	0,5
L CP 36050-3 PIN	100 - 240	36	5	172 x 95 x 55	1

48 Volt VRLA Chargers

Type	Input	Nominal Voltage	Amperage	Dimensions (l x w x h)	Approx. weight (kg)
L CP 48050-3 PIN	100 - 240	48	5	203 x 106 x 55	1,5



Mascot 12V & 24V VRLA Chargers

12 Volt VRLA Chargers

Type	Input	Nominal Voltage	Amperage	Dimensions (lxwxh)	Approx. weight (kg)
MAS 2140-12IP	90 - 264	12	4	140 x 48 x 83	1,05
MAS 9640-12	190 - 264	12	2,7	100 x 51 x 63	0,25
MAS 9940-12	190 - 264	12	2,3	107 x 67 x 36,5	0,25
MAS 9940-12IP	190 - 264	12	2,3	107 x 67 x 36,5	0,25

24 Volt VRLA Chargers

Type	Input	Nominal Voltage	Amperage	Dimensions (lxwxh)	Approx. weight (kg)
MAS 9940-24	90 - 264	24	1,3	107 x 67 x 37	0,25
MAS 9640-24	90 - 264	24	1,5	100 x 63 x 47	0,25
MAS 2140-24 IP67	90 - 264	24	2	140 x 48 x 83	1,05





LEAB 12V & 24V VRLA Chargers

12 Volt VRLA Chargers

Type	Input	Nominal Voltage	Amperage	Dimensions (lxwxh)	Approx. weight (kg)
LEAB 1207 IP67	230	12	7	155 x 80 x 43	1,1
LEAB 1217 IP65	230	12	17	192 x 98 x 47	1,5
LEAB 1230 IP67	230	12	30	192 x 98 x 47	1,9

24 Volt VRLA Chargers

Type	Input	Nominal Voltage	Amperage	Dimensions (lxwxh)	Approx. weight (kg)
LEAB 2405 IP65	230	24	5	155 x 80 x 43	1,1
LEAB 2412 IP65	230	24	12	192 x 98 x 47	1,4
LEAB 2420 IP67	230	24	20	192 x 98 x 47	1,9





pbq 12V & 24V LiFePO4 Chargers

12 Volt LiFePO4 Chargers

Type	Input	Nominal Voltage	Amperage	Dimensions (lxwxh)	Approx. weight (kg)
L PBQ LF 12025	100 - 240V AC	14,6	2,5	120x68x38	0,35
L PBQ LF 12050	100 - 240V AC	14,6	5	153x63x45	0,45
L PBQ LF 12100	220 - 240V AC	14,6	10	210x175x65	1,2
L PBQ LF 12200	220 - 240V AC	14,6	20	210x175x65	1,3

24 Volt LiFePO4 Chargers

Type	Input	Nominal Voltage	Amperage	Dimensions (lxwxh)	Approx. weight (kg)
L PBQ LF 24025	100 - 240V AC	29,2	2,5	153x63x45	0,45
L PBQ LF 24060	220 - 240V AC	29,2	6	210x175x65	1,2
L PBQ LF 24080	220 - 240V AC	29,2	8	210x175x65	1,2
L PBQ LF 24120	220 - 240V AC	29,2	12	210x175x65	1,3
L PBQ LF 24200	220 - 240V AC	29,2	20	204x120x70	2



TRS-STAR

electronics4U

www.trs-star.com

Headquarter Stutensee

Werner-von-Siemens-Str. 1

D-76297 Stutensee

T +49 7249 95222-0

Info@trs-star.com

Office Frankenthal

Schraderstraße 44

D-67227 Frankenthal

T +49 6233 347-0

Info@trs-star.com

