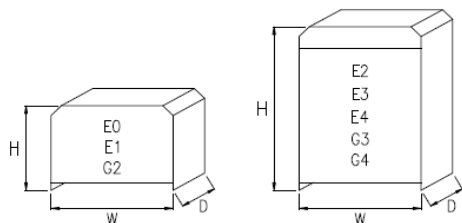


Rated voltage	Charge time per battery capacity (Ah)		Charger Type	Housing type	mains power rating	Mains current	Net weight (approx.)	Charger cable cross section
	7.5 h - 9 h *	9 h - 11 h *						
	8.5 h - 10 h	10 h - 12 h						
					kVA	A/Phase	kg	mm <sup>2</sup>
<b>24 V</b>	150 - 180	181 - 210	<b>E 24 / 20 P</b>	E 1	0.8	3.2 E	18	10
	181 - 210	211 - 240	<b>E 24 / 25 P</b>	E 1	0.9	3.9 E	20	10
	211 - 240	241 - 280	<b>E 24 / 30 P</b>	E 1	1.1	4.7 E	21	10
	241 - 280	281 - 320	<b>E 24 / 35 P</b>	E 1	1.3	5.5 E	22	10
	281 - 320	321 - 350	<b>E 24 / 40 P</b>	E 1	1.5	6.5 E	25	16
	321 - 350	351 - 420	<b>E 24 / 45 P</b>	E 1	1.6	7.0 E	26	16
	351 - 420	421 - 490	<b>E 24 / 50 P</b>	E 1	1.9	8.2 E	27	16
	421 - 490	491 - 560	<b>E 24 / 60 P</b>	G 2	2.2	9.5 E	44	25
	491 - 560	561 - 630	<b>E 24 / 70 P</b>	G 2	2.6	11.3 E	45	25
	561 - 630	631 - 710	<b>D 24 / 80 P</b>	G 3	3.1	4.5 D	62	25
	631 - 710	711 - 840	<b>D 24 / 90 P</b>	G 3	3.3	4.8 D	64	25
	711 - 840	841 - 1000	<b>D 24 / 100 P</b>	G 3	3.8	5.4 D	66	35
	841 - 1000	1001 - 1200	<b>D 24 / 125 P</b>	G 3	4.8	6.9 D	75	35
	1001 - 1200	1201 - 1380	<b>D 24 / 150 P</b>	G 3	5.9	8.5 D	80	50
<b>36 V</b>	150 - 180	181 - 210	<b>E 36 / 20 P</b>	E 1	1.2	5.0 E	23	10
	181 - 210	211 - 240	<b>E 36 / 25 P</b>	E 1	1.4	6.1 E	24	10
	211 - 240	241 - 280	<b>E 36 / 30 P</b>	E 1	1.7	7.4 E	26	10
	241 - 280	281 - 320	<b>E 36 / 35 P</b>	E 1	2	8.7 E	27	10
	281 - 320	321 - 350	<b>E 36 / 40 P</b>	G 2	2.4	10.0 E	42	16
	321 - 350	351 - 420	<b>E 36 / 45 P</b>	G 2	2.6	11.3 E	44	16
	351 - 420	421 - 490	<b>D 36 / 50 P</b>	G 3	2.9	4.2 D	68	16
	421 - 490	491 - 560	<b>D 36 / 60 P</b>	G 3	3.6	5.2 D	69	16
	491 - 560	561 - 630	<b>D 36 / 70 P</b>	G 3	4.2	6.0 D	70	25
	561 - 630	631 - 710	<b>D 36 / 80 P</b>	G 3	4.8	6.9 D	72	25
	631 - 710	711 - 840	<b>D 36 / 90 P</b>	G 3	5.2	7.5 D	74	25
	711 - 840	841 - 1000	<b>D 36 / 100 P</b>	G 3	5.9	8.5 D	77	35
	841 - 1000	1001 - 1200	<b>D 36 / 125 P</b>	G 3	7.4	10.7 D	83	35
	1001 - 1200	1201 - 1380	<b>D 36 / 150 P</b>	G 4	8.9	12.8 D	97	50



Housing	Height	Width	Depth	Housing	Height	Width	Depth
<b>E0</b>	205	328	235	<b>E4</b>	725	500	450
<b>E1</b>	260	410	260	<b>G2</b>	380	575	380
<b>E2</b>	425	390	350	<b>G3</b>	690	575	440
<b>E3</b>	525	500	450	<b>G4</b>	690	575	530

All dimensions in mm

Rated voltage	Charge time per battery capacity (Ah)		Charger Type	Housing type	mains power rating	Mains current	Net weight (approx.)	Charger cable cross section
	7.5 h - 9 h *	9 h - 11 h *						
<b>48 V</b>	181 - 210	211 - 240	<b>E 48 / 25 P</b>	E 1	1.8	7.8 E	28	10
	211 - 240	241 - 280	<b>E 48 / 30 P</b>	G 2	2.2	9.5 E	48	10
	241 - 280	281 - 320	<b>E 48 / 35 P</b>	G 2	2.6	11.2 E	50	10
	281 - 320	321 - 350	<b>D 48 / 40 P</b>	G 3	3.2	4.6 D	67	16
	321 - 350	351 - 420	<b>D 48 / 45 P</b>	G 3	3.4	5.0 D	70	16
	351 - 420	421 - 490	<b>D 48 / 50 P</b>	G 3	3.6	5.2 D	71	16
	421 - 490	491 - 560	<b>D 48 / 60 P</b>	G 3	4.4	6.3 D	74	16
	491 - 560	561 - 630	<b>D 48 / 70 P</b>	G 3	5.2	7.5 D	78	25
	561 - 630	631 - 710	<b>D 48 / 80 P</b>	G 3	6	8.6 D	78	25
	631 - 710	711 - 840	<b>D 48 / 90 P</b>	G 3	6.9	10.0 D	81	25
	711 - 840	841 - 1000	<b>D 48 / 100 P</b>	G 3	7.4	10.6 D	86	35
	841 - 1000	1001 - 1200	<b>D 48 / 125 P</b>	G 4	9	13.0 D	94	35
	1001 - 1200	1201 - 1380	<b>D 48 / 150 P</b>	G 4	11.9	17.2 D	116	50
<b>72;80 V</b>	181 - 210	211 - 240	<b>D 72;80 / 25 P</b>	G 3	3.1 ; 3.5	4.5 D ; 5.0 D	62	10
	211 - 240	241 - 280	<b>D 72;80 / 30 P</b>	G 3	3.9 ; 4.2	5.7 D ; 6.0 D	65	10
	241 - 280	281 - 320	<b>D 72;80 / 35 P</b>	G 3	4.2 ; 4.5	6.1 D ; 6.3 D	66	16
	281 - 320	321 - 350	<b>D 72;80 / 40 P</b>	G 3	4.8 ; 5.2	6.9 D ; 7.5 D	68	16
	321 - 350	351 - 420	<b>D 72;80 / 45 P</b>	G 3	5.3 ; 5.7	7.7 D ; 8.1 D	70	16
	351 - 420	421 - 490	<b>D 72;80 / 50 P</b>	G 3	5.9 ; 6.2	8.5 D ; 8.9 D	71	16
	421 - 490	491 - 560	<b>D 72;80 / 60 P</b>	G 3	7.1 ; 7.4	10.3 D ; 10.7 D	78	16
	491 - 560	561 - 630	<b>D 72;80 / 70 P</b>	G 4	8.4 ; 8.9	12.2 D ; 12.8 D	92	25
	561 - 630	631 - 710	<b>D 72;80 / 80 P</b>	G 4	9.5 ; 10.0	13.8 D ; 14.4 D	96	25
	631 - 710	711 - 840	<b>D 72;80 / 90 P</b>	G 4	10.7 ; 11.2	15.5 D ; 16.1 D	102	25
	711 - 840	841 - 1000	<b>D 72;80 / 100 P</b>	G 4	11.9 ; 12.3	17.2 D ; 17.7 D	106	35
	841 - 1000	1001 - 1200	<b>D 72;80 / 125 P</b>	G 4	14.7 ; 15.2	21.3 D ; 22.0 D	136	35
	1001 - 1200	1201 - 1380	<b>D 72;80 / 150 P</b>	G 4	17.9 ; 19.8	25.9 D ; 28.6 D	140	50

Remarks: All charging times are corresponding to a 80% discharged battery and an electrolyte temperature of 30°C

### Legend

E: Single-phase AC (1/N/PE)

D: Three-phases SC (3/PE)

P: current pulse characteristic

\* with pumpsystem (air mixing)

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