



Technische Daten
Ladegeräte Hawker
Technical data
Hawker chargers
Données techniques
Chargeurs Hawker
MotionLine
MasterLine puls/EU
MultiLine W0Wa
MultiLine IWU1a



EnerSys
Power/Full Solutions

3 - 4 MotionLine

5 MasterLine puls

6 MasterLine EU

7 MultiLine W0Wpa

8 MultiLine W0Wa EU

9 MultiLine IWUipa

10 MultiLine IWUIa EU

MotionLine

| Gerätetyp | Kapazitätszuordnung bei Ladezeit | | Gehäuse ²⁾ | Anschlussleistung | Netzstromaufnahme | Vorsicherung gL/gG (träge) | Gewicht netto | Streifen-sicherung | Ladekabel-querschnitt |
|--------------------------|---|-------------|-----------------------|--------------------|-------------------|------------------------------|---------------|--------------------|-----------------------------|
| Charger type | Capacity matching for charging time | | Cabinet ²⁾ | Mains power rating | Mains current | Mains fuse gL/gG (slow) | Weight net | Strip-fuse | Charger cable cross section |
| Type de chargeur | Capacité en fonction du temps de charge | | Armoire ²⁾ | Puissance secteur | Courant secteur | Fusible secteur gL/gG (lent) | Poids net | Fusible batterie | Câble de charge section |
| MotionLine ¹⁾ | 10 h - 12 h | 12 h - 14 h | | [kVA] | [A / Phase] | [A] | [kg] | [A] | [mm ²] |
| E 24/ 10 | 60 - 80 | 81 - 100 | E0-1 | 0.4 | 1.6 E | 16A | 14 | 35 | 10 |
| E 24/ 15 | 81 - 120 | 121 - 150 | E0-1 | 0.6 | 2.3 E | 16A | 17 | 35 | 10 |
| E 24/ 20 | 140 - 160 | 161 - 200 | E0-1 | 0.8 | 3.2 E | 16A | 18 | 35 | 10 |
| E 24/ 25 | 161 - 200 | 201 - 250 | E0-1 | 0.9 | 3.9 E | 16A | 19 | 35 | 10 |
| E 24/ 30 | 201 - 250 | 251 - 300 | E1-1 | 1.1 | 4.7 E | 16A | 20 | 35 | 10 |
| E 24/ 35 | 251 - 300 | 301 - 350 | E1-1 | 1.3 | 5.5 E | 16A | 23 | 63 | 10 |
| E 24/ 40 | 301 - 350 | 351 - 400 | E1-1 | 1.5 | 6.5 E | 16A | 24 | 63 | 10 |
| E 24/ 45 | 351 - 400 | 401 - 450 | E1-1 | 1.6 | 7.0 E | 16A | 25 | 63 | 10 |
| E 24/ 50 | 401 - 450 | 451 - 500 | E1-1 | 1.9 | 8.2 E | 16A | 26 | 63 | 16 |
| E 24/ 60 | 451 - 500 | 501 - 600 | E2-1 | 2.2 | 9.5 E | 16A | 45 | 100 | 16 |
| E 24/ 70 | 501 - 600 | 601 - 700 | E2-1 | 2.6 | 11.3 E | 16A | 46 | 100 | 25 |
| E 24/ 80 | 601 - 700 | 701 - 800 | E2-1 | 3.1 | 13.4 E | 16A | 49 | 100 | 25 |
| D 24/ 90 | 701 - 800 | 801 - 900 | E3-1 | 3.3 | 4.7 D | 10A | 52 | 100 | 25 |
| D 24/ 100 | 801 - 900 | 901 - 1000 | E3-1 | 3.8 | 5.4 D | 10A | 63 | 160 | 35 |
| D 24/ 125 | 901 - 1000 | 1001 - 1250 | E3-1 | 4.8 | 6.9 D | 10A | 68 | 160 | 35 |
| D 24/ 150 | 1001 - 1250 | 1251 - 1500 | E3-1 | 5.9 | 8.5 D | 16A | 85 | 200 | 50 |
| D 24/ 170 | 1251 - 1500 | 1501 - 1700 | E3-1 | 7.0 | 10.1 D | 16A | 88 | 200 | 50 |
| E 36/ 20 | 140 - 160 | 161 - 200 | E1-1 | 1.2 | 5.0 E | 10A | 22 | 35 | 10 |
| E 36/ 25 | 161 - 200 | 201 - 250 | E1-1 | 1.4 | 6.1 E | 10A | 23 | 35 | 10 |
| E 36/ 30 | 201 - 250 | 251 - 300 | E1-1 | 1.7 | 7.4 E | 10A | 25 | 35 | 10 |
| E 36/ 35 | 251 - 300 | 301 - 350 | E2-1 | 2.0 | 8.7 E | 16A | 30 | 63 | 10 |
| E 36/ 40 | 301 - 350 | 351 - 400 | E2-1 | 2.4 | 10.0 E | 16A | 40 | 63 | 10 |
| E 36/ 45 | 351 - 400 | 401 - 450 | E2-1 | 2.6 | 11.3 E | 16A | 43 | 63 | 16 |
| E 36/ 50 | 401 - 450 | 451 - 500 | E2-1 | 2.9 | 12.6 E | 16A | 45 | 63 | 16 |
| D 36/ 60 | 451 - 500 | 501 - 600 | E3-1 | 3.6 | 5.2 D | 10A | 63 | 100 | 16 |
| D 36/ 70 | 501 - 600 | 601 - 700 | E3-1 | 4.2 | 6.0 D | 10A | 66 | 100 | 16 |
| D 36/ 80 | 601 - 700 | 701 - 800 | E3-1 | 4.8 | 6.9 D | 10A | 72 | 100 | 16 |
| D 36/ 90 | 701 - 800 | 801 - 900 | E3-1 | 5.2 | 7.5 D | 10A | 81 | 100 | 16 |
| D 36/ 100 | 801 - 900 | 901 - 1000 | E3-1 | 5.9 | 8.5 D | 16A | 84 | 160 | 25 |
| D 36/ 125 | 901 - 1000 | 1001 - 1250 | E3-1 | 7.4 | 10.7 D | 16A | 90 | 160 | 35 |
| D 36/ 150 | 1001 - 1250 | 1251 - 1500 | E4-1 | 8.9 | 12.8 D | 16A | 96 | 200 | 50 |
| D 36/ 170 | 1251 - 1500 | 1501 - 1700 | E4-1 | 10.5 | 15.1 D | 20A | 110 | 200 | 50 |
| E 48/ 25 | 161 - 200 | 201 - 250 | E2-1 | 1.8 | 7.8 E | 10A | 40 | 35 | 10 |
| E 48/ 30 | 201 - 250 | 251 - 300 | E2-1 | 2.2 | 9.5 E | 16A | 42 | 35 | 10 |
| E 48/ 35 | 251 - 300 | 301 - 350 | E2-1 | 2.6 | 11.2 E | 16A | 45 | 63 | 10 |
| E 48/ 40 | 301 - 350 | 351 - 400 | E2-1 | 3.2 | 13.9 E | 16A | 49 | 63 | 10 |
| D 48/ 45 | 351 - 400 | 401 - 450 | E3-1 | 3.4 | 5.0 D | 10A | 63 | 63 | 16 |
| D 48/ 50 | 401 - 450 | 451 - 500 | E3-1 | 3.6 | 5.2 D | 10A | 65 | 63 | 16 |
| D 48/ 60 | 451 - 500 | 501 - 600 | E3-1 | 4.4 | 6.3 D | 10A | 68 | 100 | 16 |
| D 48/ 70 | 501 - 600 | 601 - 700 | E3-1 | 5.2 | 7.5 D | 10A | 70 | 100 | 16 |
| D 48/ 80 | 601 - 700 | 701 - 800 | E3-1 | 6.0 | 8.6 D | 16A | 72 | 100 | 16 |
| D 48/ 90 | 701 - 800 | 801 - 900 | E3-1 | 6.9 | 10.0 D | 16A | 75 | 100 | 16 |
| D 48/ 100 | 801 - 900 | 901 - 1000 | E3-1 | 7.4 | 10.6 D | 16A | 78 | 160 | 25 |
| D 48/ 125 | 901 - 1000 | 1001 - 1250 | E3-1 | 9.0 | 13.0 D | 16A | 82 | 160 | 35 |
| D 48/ 150 | 1001 - 1250 | 1251 - 1500 | E4-1 | 11.9 | 17.2 D | 20A | 88 | 200 | 50 |
| D 48/ 170 | 1251 - 1500 | 1501 - 1700 | E4-1 | 14.9 | 21.5 D | 25A | 112 | 200 | 50 |

MotionLine

| Gerätetyp | Kapazitätszuordnung bei Ladezeit | | Gehäuse ²⁾ | Anschlussleistung | Netzstromaufnahme | Vorsicherung gL/gG (träge) | Gewicht netto | Streifen-sicherung | Ladekabel- querschnitt |
|--------------------------|---|-------------|-----------------------|--------------------|-------------------|------------------------------|---------------|--------------------|-----------------------------|
| Charger type | Capacity matching for charging time | | Cabinet ²⁾ | Mains power rating | Mains current | Mains fuse gL/gG (slow) | Weight net | Strip-fuse | Charger cable cross section |
| Type de chargeur | Capacité en fonction du temps de charge | | Armoire ²⁾ | Puissance secteur | Courant secteur | Fusible secteur gL/gG (lent) | Poids net | Fusible batterie | Câble de charge section |
| MotionLine ¹⁾ | 10 h - 12 h | 12 h - 14 h | | [kVA] | [A / Phase] | [A] | [kg] | [A] | [mm ²] |
| E 80/ 25 | 161 - 200 | 201 - 250 | E2-1 | 3.0 | 13.0 E | 16A | 48 | 35 | 10 |
| D 80/ 30 | 201 - 250 | 251 - 300 | E3-1 | 4.2 | 6.0 D | 10A | 59 | 63 | 16 |
| D 80/ 35 | 251 - 300 | 301 - 350 | E3-1 | 4.5 | 6.3 D | 10A | 64 | 63 | 16 |
| D 80/ 40 | 301 - 350 | 351 - 400 | E3-1 | 5.2 | 7.5 D | 10A | 66 | 63 | 16 |
| D 80/ 45 | 351 - 400 | 401 - 450 | E3-1 | 5.7 | 8.1 D | 16A | 68 | 63 | 16 |
| D 80/ 50 | 401 - 450 | 451 - 500 | E3-1 | 6.2 | 8.9 D | 16A | 70 | 63 | 16 |
| D 80/ 60 | 451 - 500 | 501 - 600 | E3-1 | 7.4 | 10.7 D | 16A | 73 | 100 | 16 |
| D 80/ 70 | 501 - 600 | 601 - 700 | E3-1 | 8.9 | 12.8 D | 16A | 81 | 100 | 16 |
| D 80/ 80 | 601 - 700 | 701 - 800 | E3-1 | 10.0 | 14.4 D | 16A | 86 | 100 | 16 |
| D 80/ 90 | 701 - 800 | 801 - 900 | E4-1 | 11.2 | 16.1 D | 20A | 91 | 100 | 16 |
| D 80/ 100 | 801 - 900 | 901 - 1000 | E4-1 | 12.3 | 17.7 D | 20A | 100 | 160 | 25 |
| D 80/ 125 | 901 - 1000 | 1001 - 1250 | E4-1 | 15.2 | 21.6 D | 25A | 116 | 160 | 35 |
| D 80/ 150 | 1001 - 1250 | 1251 - 1500 | E4-1 | 19.8 | 28.6 D | 35A | 125 | 200 | 50 |

| Gehäusotyp | Höhe | Breite | Tiefe |
|-----------------|---------|---------|-------------|
| Type of cabinet | Height | Width | Depth |
| Type d'armoire | Hauteur | Largeur | Pro-fondeur |
| | [mm] | [mm] | [mm] |
| E0 - 1 | 205 | 330 | 235 |
| E1 - 1 | 260 | 410 | 260 |
| E2 - 1 | 425 | 390 | 350 |
| E3 - 1 | 525 | 500 | 450 |
| E4 - 1 | 725 | 500 | 450 |

¹⁾ Alle Ladezeiten beziehen sich auf eine zu 80% entladene Batterie und auf eine Elektrolyttemperatur von 30°C
 Schutzart: IP 21 (andere Schutzarten auf Anfrage)
 Schutzklasse: 1
 Temperaturbereich: 0 bis 40°C
 relative Luftfeuchtigkeit: bis 95%
 (keine Kondensation)
 Ausgangsspannungen: 24, 36, 48 und 80 V
 (Sonderspannungen auf Anfrage)
 Netzspannung:
 Typ E Einphasenwechselstrom 230 V 50/60 Hz (1/N/PE)
 Typ D Dreiphasenwechselstrom 400 V 50/60 Hz (3/PE)

²⁾ Wand-/Standgerät

¹⁾ All charging times are referred to a battery with 80% DOD and an electrolyte temperature of 30°C
 IP code 21 (other degrees of IP protection on request)
 Protection class: 1
 Temperature range: 0 to 40°C
 humidity up to 95% (none dewing)
 Output voltage: 24, 36, 48 and 80 V
 (Special voltages on request)
 Mains voltage:
 Type E single phase AC 230 V 50/60 Hz (1/N/PE)
 Type D three phase AC 400 V 50/60 Hz (3/PE)

²⁾ wall mounted/floor mounted charger

¹⁾ Les temps de charge indiqués, correspondent à la recharge d'une batterie déchargée à 80% et à une température d'électrolyte de 30°C
 Indice de protection IP 21 (autres indices sur demande)
 Classe: 1
 Plage de température: 0 à 40°C
 humidité de l'air max. 95% (sans rosée)
 Tension de sortie: 24, 36, 48 et 80 V
 (autres tensions sur demande)
 Tension secteur:
 Type E monophasé 230 V 50/60 Hz (1/N/PE)
 Type D triphasé 400 V 50/60 Hz (3/PE)

²⁾ Installation murale/au sol

MasterLine puls

| Gerätetyp | Kapazitätszuordnung bei Ladezeit | | Gehäuse ²⁾ | Anschlussleistung | Netzstromaufnahme | Vorsicherung gL/gG (träge) | Gewicht netto | Streifen-sicherung | Ladekabel-querschnitt |
|-------------------------------|---|--------------|-----------------------|--------------------|-------------------|------------------------------|---------------|--------------------|-----------------------------|
| Charger type | Capacity matching for charging time | | Cabinet ²⁾ | Mains power rating | Mains current | Mains fuse gL/gG (slow) | Weight net | Strip-fuse | Charger cable cross section |
| Type de chargeur | Capacité en fonction du temps de charge | | Armoire ²⁾ | Puissance secteur | Courant secteur | Fusible secteur gL/gG (lent) | Poids net | Fusible batterie | Câble de charge section |
| MasterLine puls ¹⁾ | 7.5 h - 8.5 h | 8.5 h - 10 h | | [kVA] | [A /Phase] | [A] | [kg] | [A] | [mm ²] |
| E 24/ 30 | 176 - 210 | 211 - 240 | G 2-1 | 1.1 | 4.7 E | 10A | 31 | 35 | 10 |
| E 24/ 35 | 211 - 240 | 241 - 280 | G 2-1 | 1.3 | 5.5 E | 10A | 33 | 63 | 10 |
| E 24/ 40 | 241 - 280 | 281 - 320 | G 2-1 | 1.5 | 6.5 E | 10A | 35 | 63 | 10 |
| E 24/ 45 | 281 - 320 | 321 - 350 | G 2-1 | 1.6 | 7.0 E | 10A | 36 | 63 | 10 |
| E 24/ 50 | 321 - 350 | 351 - 420 | G 2-1 | 1.9 | 8.2 E | 16A | 38 | 63 | 16 |
| E 24/ 60 | 351 - 420 | 421 - 490 | G 2-1 | 2.2 | 9.5 E | 16A | 43 | 100 | 16 |
| E 24/ 70 | 421 - 490 | 491 - 560 | G 2-1 | 2.6 | 11.3 E | 16A | 46 | 100 | 25 |
| E 24/ 80 | 491 - 560 | 561 - 630 | G 2-1 | 3.1 | 13.4 E | 16A | 49 | 100 | 25 |
| D 24/ 90 | 561 - 630 | 631 - 710 | G 3-1 | 3.3 | 4.7 D | 10A | 53 | 100 | 25 |
| D 24/ 100 | 631 - 710 | 711 - 840 | G 3-1 | 3.8 | 5.4 D | 10A | 76 | 160 | 35 |
| D 24/ 125 | 711 - 840 | 841 - 1000 | G 3-1 | 4.8 | 6.9 D | 10A | 78 | 160 | 35 |
| D 24/ 150 | 841 - 1000 | 1001 - 1200 | G 3-1 | 5.9 | 8.5 D | 16A | 87 | 200 | 50 |
| D 24/ 170 | 1001 - 1200 | 1201 - 1380 | G 3-1 | 7.0 | 10.1 D | 16A | 94 | 200 | 50 |

| | | | | | | | | | |
|-----------|-------------|-------------|-------|------|--------|-----|-----|-----|----|
| E 36/ 30 | 176 - 210 | 211 - 240 | G 2-1 | 1.7 | 7.4 E | 10A | 36 | 35 | 10 |
| E 36/ 35 | 211 - 240 | 241 - 280 | G 2-1 | 2.0 | 8.7 E | 16A | 40 | 63 | 10 |
| E 36/ 40 | 241 - 280 | 281 - 320 | G 2-1 | 2.4 | 10.0 E | 16A | 42 | 63 | 10 |
| E 36/ 45 | 281 - 320 | 321 - 350 | G 2-1 | 2.6 | 11.3 E | 16A | 44 | 63 | 16 |
| E 36/ 50 | 321 - 350 | 351 - 420 | G 2-1 | 2.9 | 12.6 E | 16A | 49 | 63 | 16 |
| D 36/ 60 | 351 - 420 | 421 - 490 | G 3-1 | 3.6 | 5.2 D | 10A | 70 | 100 | 16 |
| D 36/ 70 | 421 - 490 | 491 - 560 | G 3-1 | 4.2 | 6.0 D | 10A | 72 | 100 | 16 |
| D 36/ 80 | 491 - 560 | 561 - 630 | G 3-1 | 4.8 | 6.9 D | 10A | 75 | 100 | 16 |
| D 36/ 90 | 561 - 630 | 631 - 710 | G 3-1 | 5.2 | 7.5 D | 10A | 77 | 100 | 16 |
| D 36/ 100 | 631 - 710 | 711 - 840 | G 3-1 | 5.9 | 8.5 D | 16A | 80 | 160 | 25 |
| D 36/ 125 | 711 - 840 | 841 - 1000 | G 3-1 | 7.4 | 10.7 D | 16A | 84 | 160 | 35 |
| D 36/ 150 | 841 - 1000 | 1001 - 1200 | G 4-1 | 8.9 | 12.8 D | 16A | 95 | 200 | 50 |
| D 36/ 170 | 1001 - 1200 | 1201 - 1380 | G 4-1 | 10.5 | 15.1 D | 20A | 109 | 200 | 50 |

| | | | | | | | | | |
|-----------|-------------|-------------|-------|------|--------|-----|-----|-----|----|
| E 48/ 30 | 176 - 210 | 211 - 240 | G 2-1 | 2.2 | 9.5 E | 16A | 49 | 35 | 10 |
| E 48/ 35 | 211 - 240 | 241 - 280 | G 2-1 | 2.6 | 11.2 E | 16A | 51 | 63 | 10 |
| E 48/ 40 | 241 - 280 | 281 - 320 | G 2-1 | 3.2 | 13.9 E | 16A | 53 | 63 | 10 |
| D 48/ 45 | 281 - 320 | 321 - 350 | G 3-1 | 3.4 | 5.0 D | 10A | 68 | 63 | 16 |
| D 48/ 50 | 321 - 350 | 351 - 420 | G 3-1 | 3.6 | 5.2 D | 10A | 70 | 63 | 16 |
| D 48/ 60 | 351 - 420 | 421 - 490 | G 3-1 | 4.4 | 6.3 D | 10A | 72 | 100 | 16 |
| D 48/ 70 | 421 - 490 | 491 - 560 | G 3-1 | 5.2 | 7.5 D | 10A | 74 | 100 | 16 |
| D 48/ 80 | 491 - 560 | 561 - 630 | G 3-1 | 6.0 | 8.6 D | 16A | 76 | 100 | 16 |
| D 48/ 90 | 561 - 630 | 631 - 710 | G 3-1 | 6.9 | 10.0 D | 16A | 79 | 100 | 16 |
| D 48/ 100 | 631 - 710 | 711 - 840 | G 3-1 | 7.4 | 10.6 D | 16A | 82 | 160 | 25 |
| D 48/ 125 | 711 - 840 | 841 - 1000 | G 3-1 | 9.0 | 13.0 D | 16A | 86 | 160 | 35 |
| D 48/ 150 | 841 - 1000 | 1001 - 1200 | G 4-1 | 11.9 | 17.2 D | 20A | 99 | 200 | 50 |
| D 48/ 170 | 1001 - 1200 | 1201 - 1380 | G 4-1 | 14.9 | 21.5 D | 25A | 112 | 200 | 50 |

| | | | | | | | | | |
|-----------|-------------|-------------|-------|------|--------|-----|-----|-----|----|
| D 80/ 30 | 176 - 210 | 211 - 240 | G 3-1 | 4.2 | 6.0 D | 10A | 68 | 63 | 16 |
| D 80/ 35 | 211 - 240 | 241 - 280 | G 3-1 | 4.5 | 6.3 D | 10A | 70 | 63 | 16 |
| D 80/ 40 | 241 - 280 | 281 - 320 | G 3-1 | 5.2 | 7.5 D | 10A | 72 | 63 | 16 |
| D 80/ 45 | 281 - 320 | 321 - 350 | G 3-1 | 5.7 | 8.1 D | 16A | 74 | 63 | 16 |
| D 80/ 50 | 321 - 350 | 351 - 420 | G 3-1 | 6.2 | 8.9 D | 16A | 76 | 63 | 16 |
| D 80/ 60 | 351 - 420 | 421 - 490 | G 3-1 | 7.4 | 10.7 D | 16A | 79 | 100 | 16 |
| D 80/ 70 | 421 - 490 | 491 - 560 | G 4-1 | 8.9 | 12.8 D | 16A | 89 | 100 | 16 |
| D 80/ 80 | 491 - 560 | 561 - 630 | G 4-1 | 10.0 | 14.4 D | 16A | 92 | 100 | 16 |
| D 80/ 90 | 561 - 630 | 631 - 710 | G 4-1 | 11.2 | 16.1 D | 20A | 96 | 100 | 16 |
| D 80/ 100 | 631 - 710 | 711 - 840 | G 4-1 | 12.3 | 17.7 D | 20A | 106 | 160 | 25 |
| D 80/ 125 | 711 - 840 | 841 - 1000 | G 4-1 | 15.2 | 21.6 D | 25A | 116 | 160 | 35 |
| D 80/ 150 | 841 - 1000 | 1001 - 1200 | G 4-1 | 19.8 | 28.6 D | 35A | 125 | 200 | 50 |
| D 80/ 170 | 1001 - 1200 | 1201 - 1380 | G 4-1 | 21.4 | 30.9 D | 35A | 148 | 200 | 50 |

¹⁾ Siehe Anmerkung auf Seite 4

²⁾ Wand-/Standgerät

¹⁾ Voir remarques page 4

²⁾ Installation murale/au sol

¹⁾ See annotation on page 4

²⁾ wall mounted/floor mounted charger

| Gehäusetyp | Höhe | Breite | Tiefe |
|-----------------|---------|---------|-------------|
| Type of cabinet | Height | Width | Depth |
| Type d'armoire | Hauteur | Largeur | Pro-fondeur |
| | [mm] | [mm] | [mm] |
| G 2 - 1 | 380 | 575 | 380 |
| G 3 - 1 | 690 | 575 | 440 |
| G 4 - 1 | 690 | 575 | 540 |

MasterLine EU

| Gerätetyp | Kapazitätszuordnung bei Ladezeit | | | Gehäuse ²⁾ | Anschlussleistung | Netzstromaufnahme | Vorsicherung gL/gG (träge) | Gewicht netto | Streifen-sicherung | Ladekabel- querschnitt |
|-----------------------------|---|-------------|-------------|-----------------------|--------------------|-------------------|------------------------------|---------------|--------------------|-----------------------------|
| Charger type | Capacity matching for charging time | | | Cabinet ²⁾ | Mains power rating | Mains current | Mains fuse gL/gG (slow) | Weight net | Strip-fuse | Charger cable cross section |
| Type de chargeur | Capacité en fonction du temps de charge | | | Armoire ²⁾ | Puissance secteur | Courant secteur | Fusible secteur gL/gG (lent) | Poids net | Fusible batterie | Câble de charge section |
| MasterLine EU ¹⁾ | 6 - 7 h* | 7 - 8 h* | 8 - 10 h* | | [kVA] | [A/Phase] | [A] | [kg] | [A] | [mm ²] |
| E 24/ 30 | 160 - 185 | 186 - 220 | 221 - 250 | G 2-1 | 1.1 | 4.7 E | 10A | 31 | 35 | 10 |
| E 24/ 35 | 186 - 220 | 221 - 250 | 251 - 280 | G 2-1 | 1.3 | 5.5 E | 10A | 33 | 63 | 10 |
| E 24/ 40 | 221 - 250 | 251 - 280 | 281 - 320 | G 2-1 | 1.5 | 6.5 E | 10A | 35 | 63 | 10 |
| E 24/ 45 | 251 - 280 | 281 - 320 | 321 - 375 | G 2-1 | 1.6 | 7.0 E | 10A | 36 | 63 | 10 |
| E 24/ 50 | 281 - 320 | 321 - 375 | 376 - 430 | G 2-1 | 1.9 | 8.2 E | 16A | 38 | 63 | 16 |
| E 24/ 60 | 321 - 375 | 376 - 430 | 431 - 490 | G 2-1 | 2.2 | 9.5 E | 16A | 43 | 100 | 16 |
| E 24/ 70 | 376 - 430 | 431 - 490 | 491 - 560 | G 2-1 | 2.6 | 11.3 E | 16A | 46 | 100 | 25 |
| E 24/ 80 | 431 - 490 | 491 - 560 | 561 - 680 | G 2-1 | 3.1 | 13.4 E | 16A | 49 | 100 | 25 |
| D 24/ 90 | 491 - 560 | 561 - 680 | 681 - 810 | G 3-1 | 3.3 | 4.7 D | 10A | 53 | 100 | 25 |
| D 24/ 100 | 561 - 680 | 681 - 810 | 811 - 920 | G 3-1 | 3.8 | 5.4 D | 10A | 76 | 160 | 35 |
| D 24/ 125 | 681 - 810 | 811 - 920 | 921 - 1050 | G 3-1 | 4.8 | 6.9 D | 10A | 78 | 160 | 35 |
| D 24/ 150 | 811 - 920 | 921 - 1050 | 1051 - 1200 | G 3-1 | 5.9 | 8.5 D | 16A | 87 | 200 | 50 |
| D 24/ 170 | 921 - 1050 | 1051 - 1200 | 1201 - 1400 | G 3-1 | 7.0 | 10.1 D | 16A | 94 | 200 | 50 |

| | | | | | | | | | | |
|-----------|------------|-------------|-------------|-------|------|--------|-----|-----|-----|----|
| E 36/ 30 | 160 - 185 | 186 - 220 | 221 - 250 | G 2-1 | 1.7 | 7.4 E | 10A | 36 | 35 | 10 |
| E 36/ 35 | 186 - 220 | 221 - 250 | 251 - 280 | G 2-1 | 2.0 | 8.7 E | 16A | 40 | 63 | 10 |
| E 36/ 40 | 221 - 250 | 251 - 280 | 281 - 320 | G 2-1 | 2.4 | 10.0 E | 16A | 42 | 63 | 10 |
| E 36/ 45 | 251 - 280 | 281 - 320 | 321 - 375 | G 2-1 | 2.6 | 11.3 E | 16A | 44 | 63 | 16 |
| E 36/ 50 | 281 - 320 | 321 - 375 | 376 - 430 | G 2-1 | 2.9 | 12.6 E | 16A | 49 | 63 | 16 |
| D 36/ 60 | 321 - 375 | 376 - 430 | 431 - 490 | G 3-1 | 3.6 | 5.2 D | 10A | 70 | 100 | 16 |
| D 36/ 70 | 376 - 430 | 431 - 490 | 491 - 560 | G 3-1 | 4.2 | 6.0 D | 10A | 72 | 100 | 16 |
| D 36/ 80 | 431 - 490 | 491 - 560 | 561 - 680 | G 3-1 | 4.8 | 6.9 D | 10A | 75 | 100 | 16 |
| D 36/ 90 | 491 - 560 | 561 - 680 | 681 - 810 | G 3-1 | 5.2 | 7.5 D | 10A | 77 | 100 | 16 |
| D 36/ 100 | 561 - 680 | 681 - 810 | 811 - 920 | G 3-1 | 5.9 | 8.5 D | 16A | 80 | 160 | 25 |
| D 36/ 125 | 681 - 810 | 811 - 920 | 921 - 1050 | G 3-1 | 7.4 | 10.7 D | 16A | 84 | 160 | 35 |
| D 36/ 150 | 811 - 920 | 921 - 1050 | 1051 - 1200 | G 4-1 | 8.9 | 12.8 D | 16A | 95 | 200 | 50 |
| D 36/ 170 | 921 - 1050 | 1051 - 1200 | 1201 - 1400 | G 4-1 | 10.5 | 15.1 D | 20A | 109 | 200 | 50 |

| | | | | | | | | | | |
|-----------|------------|-------------|-------------|-------|------|--------|-----|-----|-----|----|
| E 48/ 30 | 160 - 185 | 186 - 220 | 221 - 250 | G 2-1 | 2.2 | 9.5 E | 16A | 49 | 35 | 10 |
| E 48/ 35 | 186 - 220 | 221 - 250 | 251 - 280 | G 2-1 | 2.6 | 11.2 E | 16A | 51 | 63 | 10 |
| E 48/ 40 | 221 - 250 | 251 - 280 | 281 - 320 | G 2-1 | 3.2 | 13.9 E | 16A | 53 | 63 | 10 |
| D 48/ 45 | 251 - 280 | 281 - 320 | 321 - 375 | G 3-1 | 3.4 | 5.0 D | 10A | 68 | 63 | 16 |
| D 48/ 50 | 281 - 320 | 321 - 375 | 376 - 430 | G 3-1 | 3.6 | 5.2 D | 10A | 70 | 63 | 16 |
| D 48/ 60 | 321 - 375 | 376 - 430 | 431 - 490 | G 3-1 | 4.4 | 6.3 D | 10A | 72 | 100 | 16 |
| D 48/ 70 | 376 - 430 | 431 - 490 | 491 - 560 | G 3-1 | 5.2 | 7.5 D | 10A | 74 | 100 | 16 |
| D 48/ 80 | 431 - 490 | 491 - 560 | 561 - 680 | G 3-1 | 6.0 | 8.6 D | 16A | 76 | 100 | 16 |
| D 48/ 90 | 491 - 560 | 561 - 680 | 681 - 810 | G 3-1 | 6.9 | 10.0 D | 16A | 79 | 100 | 16 |
| D 48/ 100 | 561 - 680 | 681 - 810 | 811 - 920 | G 3-1 | 7.4 | 10.6 D | 16A | 82 | 160 | 25 |
| D 48/ 125 | 681 - 810 | 811 - 920 | 921 - 1050 | G 3-1 | 9.0 | 13.0 D | 16A | 86 | 160 | 35 |
| D 48/ 150 | 811 - 920 | 921 - 1050 | 1051 - 1200 | G 4-1 | 11.9 | 17.2 D | 20A | 99 | 200 | 50 |
| D 48/ 170 | 921 - 1050 | 1051 - 1200 | 1201 - 1400 | G 4-1 | 14.9 | 21.5 D | 25A | 112 | 200 | 50 |

| | | | | | | | | | | |
|-----------|------------|-------------|-------------|-------|------|--------|-----|-----|-----|----|
| D 80/ 30 | 160 - 185 | 186 - 220 | 221 - 250 | G 3-1 | 4.2 | 6.0 D | 10A | 68 | 63 | 16 |
| D 80/ 35 | 186 - 220 | 221 - 250 | 251 - 280 | G 3-1 | 4.5 | 6.3 D | 10A | 70 | 63 | 16 |
| D 80/ 40 | 221 - 250 | 251 - 280 | 281 - 320 | G 3-1 | 5.2 | 7.5 D | 10A | 72 | 63 | 16 |
| D 80/ 45 | 251 - 280 | 281 - 320 | 321 - 375 | G 3-1 | 5.7 | 8.1 D | 16A | 74 | 63 | 16 |
| D 80/ 50 | 281 - 320 | 321 - 375 | 376 - 430 | G 3-1 | 6.2 | 8.9 D | 16A | 76 | 63 | 16 |
| D 80/ 60 | 321 - 375 | 376 - 430 | 431 - 490 | G 3-1 | 7.4 | 10.7 D | 16A | 79 | 100 | 16 |
| D 80/ 70 | 376 - 430 | 431 - 490 | 491 - 560 | G 4-1 | 8.9 | 12.8 D | 16A | 89 | 100 | 16 |
| D 80/ 80 | 431 - 490 | 491 - 560 | 561 - 680 | G 4-1 | 10.0 | 14.4 D | 16A | 92 | 100 | 16 |
| D 80/ 90 | 491 - 560 | 561 - 680 | 681 - 810 | G 4-1 | 11.2 | 16.1 D | 20A | 96 | 100 | 16 |
| D 80/ 100 | 561 - 680 | 681 - 810 | 811 - 920 | G 4-1 | 12.3 | 17.7 D | 20A | 106 | 160 | 25 |
| D 80/ 125 | 681 - 810 | 811 - 920 | 921 - 1050 | G 4-1 | 15.2 | 21.6 D | 25A | 116 | 160 | 35 |
| D 80/ 150 | 811 - 920 | 921 - 1050 | 1051 - 1200 | G 4-1 | 19.8 | 28.6 D | 35A | 125 | 200 | 50 |
| D 80/ 170 | 921 - 1050 | 1051 - 1200 | 1201 - 1400 | G 4-1 | 21.4 | 30.9 D | 35A | 148 | 200 | 50 |

* mit Elektrolytumwälzung

1) Siehe Anmerkung auf Seite 4

2) Wand-/Standgerät

* with electrolyte circulation

1) See annotation on page 4

2) wall mounted/floor mounted charger

* avec brassage

1) Voir remarques page 4

2) Installation murale/au sol

MultiLine W0Wa

| Gerätetyp | Kapazitätszuordnung bei Ladezeit | | | Ge-häuse ²⁾ | Anschluss-leistung | Netzstrom-aufnahme | Vorsicherung gL/gG (träge) | Gewicht netto | Streifen-sicherung | Ladekabel-Querschnitt |
|-------------------------------|---|--------------|-------------|-------------------------|--------------------|--------------------|------------------------------|---------------|--------------------|-----------------------------|
| Charger type | Capacity matching for charging time | | | Ca-binets ²⁾ | Mains power rating | Mains current | Mains fuse gL/gG (slow) | Weight net | Strip-fuse | Charger cable cross section |
| Type de chargeur | Capacité en fonction du temps de charge | | | Ar-moire ²⁾ | Puissance secteur | Courant secteur | Fusible secteur gL/gG (lent) | Poids net | Fusible batterie | Câble de charge section |
| MultiLine W0Wpa ¹⁾ | 7.5 h - 8.5 h | 8.5 h - 10 h | 10 h - 12 h | | [kVA] | [A/Phase] | [A] | [kg] | [A] | [mm ²] |
| E 24/ 30 | 150 - 175 | 176 - 200 | 201 - 250 | G 2-1 | 1.10 | 4.7 E | 10A | 31 | 35 | 10 |
| E 24/ 35 | 175 - 205 | 206 - 235 | 236 - 290 | G 2-1 | 1.30 | 5.5 E | 10A | 33 | 63 | 10 |
| E 24/ 40 | 200 - 235 | 236 - 265 | 266 - 335 | G 2-1 | 1.50 | 6.5 E | 10A | 35 | 63 | 10 |
| E 24/ 50 | 250 - 295 | 296 - 335 | 336 - 420 | G 2-1 | 1.90 | 8.2 E | 16A | 38 | 63 | 16 |
| E 24/ 60 | 300 - 350 | 351 - 400 | 401 - 500 | G 2-1 | 2.20 | 9.5 E | 16A | 43 | 100 | 16 |
| E 24/ 70 | 350 - 410 | 411 - 465 | 466 - 580 | G 2-1 | 2.60 | 11.3 E | 16A | 46 | 100 | 25 |
| E 24/ 80 | 400 - 470 | 471 - 535 | 536 - 665 | G 2-1 | 3.10 | 13.4 E | 16A | 49 | 100 | 25 |
| D 24/ 90 | 450 - 530 | 531 - 600 | 601 - 750 | G 3-1 | 3.30 | 4.7 D | 10A | 53 | 100 | 25 |
| D 24/ 100 | 500 - 590 | 591 - 665 | 666 - 835 | G 3-1 | 3.80 | 5.4 D | 10A | 76 | 160 | 35 |
| D 24/ 125 | 625 - 735 | 736 - 835 | 836 - 1050 | G 3-1 | 4.80 | 6.9 D | 10A | 78 | 160 | 35 |
| D 24/ 150 | 750 - 880 | 881 - 1000 | 1001 - 1250 | G 3-1 | 5.90 | 8.5 D | 16A | 87 | 200 | 50 |
| D 24/ 170 | 850 - 1000 | 1001 - 1135 | 1136 - 1420 | G 3-1 | 7.00 | 10.1 D | 16A | 94 | 200 | 50 |
| D 24/ 200 | 1000 - 1175 | 1176 - 1335 | 1336 - 1650 | G 4-1 | 8.10 | 11.7 D | 16A | 100 | 250 | 70 |
| E 36/ 30 | 150 - 175 | 176 - 200 | 201 - 250 | G 2-1 | 1.70 | 7.4 E | 10A | 36 | 35 | 10 |
| E 36/ 35 | 175 - 205 | 206 - 235 | 236 - 290 | G 2-1 | 2.00 | 8.7 E | 16A | 40 | 63 | 10 |
| E 36/ 40 | 200 - 235 | 236 - 265 | 266 - 335 | G 2-1 | 2.40 | 10.0 E | 16A | 42 | 63 | 10 |
| E 36/ 50 | 250 - 295 | 296 - 335 | 336 - 420 | G 2-1 | 2.90 | 12.6 E | 16A | 49 | 63 | 16 |
| D 36/ 60 | 300 - 350 | 351 - 400 | 401 - 500 | G 3-1 | 3.60 | 5.2 D | 10A | 70 | 100 | 16 |
| D 36/ 70 | 350 - 410 | 411 - 465 | 466 - 580 | G 3-1 | 4.20 | 6.0 D | 10A | 72 | 100 | 16 |
| D 36/ 80 | 400 - 470 | 471 - 535 | 536 - 665 | G 3-1 | 4.80 | 6.9 D | 10A | 75 | 100 | 16 |
| D 36/ 90 | 450 - 530 | 531 - 600 | 601 - 750 | G 3-1 | 5.20 | 7.5 D | 10A | 77 | 100 | 16 |
| D 36/ 100 | 500 - 590 | 591 - 665 | 666 - 835 | G 3-1 | 5.90 | 8.5 D | 16A | 80 | 160 | 25 |
| D 36/ 125 | 625 - 735 | 736 - 835 | 836 - 1050 | G 3-1 | 7.40 | 10.7 D | 16A | 84 | 160 | 35 |
| D 36/ 150 | 750 - 880 | 881 - 1000 | 1001 - 1250 | G 4-1 | 8.90 | 12.8 D | 16A | 95 | 200 | 50 |
| D 36/ 170 | 850 - 1000 | 1001 - 1135 | 1136 - 1420 | G 4-1 | 10.50 | 15.1 D | 20A | 109 | 200 | 50 |
| D 36/ 200 | 1000 - 1175 | 1176 - 1335 | 1336 - 1650 | G 4-1 | 12.00 | 17.3 D | 20A | 115 | 250 | 70 |
| E 48/ 30 | 150 - 175 | 176 - 200 | 201 - 250 | G 2-1 | 2.20 | 9.5 E | 16A | 49 | 35 | 10 |
| E 48/ 35 | 175 - 205 | 206 - 235 | 236 - 290 | G 2-1 | 2.60 | 11.2 E | 16A | 51 | 63 | 10 |
| E 48/ 40 | 200 - 235 | 236 - 265 | 266 - 335 | G 2-1 | 3.20 | 13.9 E | 16A | 53 | 63 | 10 |
| D 48/ 50 | 250 - 295 | 296 - 335 | 336 - 420 | G 3-1 | 3.60 | 5.2 D | 10A | 70 | 63 | 16 |
| D 48/ 60 | 300 - 350 | 351 - 400 | 401 - 500 | G 3-1 | 4.40 | 6.3 D | 10A | 72 | 100 | 16 |
| D 48/ 70 | 350 - 410 | 411 - 465 | 466 - 580 | G 3-1 | 5.20 | 7.5 D | 10A | 74 | 100 | 16 |
| D 48/ 80 | 400 - 470 | 471 - 535 | 536 - 665 | G 3-1 | 6.00 | 8.6 D | 16A | 76 | 100 | 16 |
| D 48/ 90 | 450 - 530 | 531 - 600 | 601 - 750 | G 3-1 | 6.90 | 10.0 D | 16A | 79 | 100 | 16 |
| D 48/ 100 | 500 - 590 | 591 - 665 | 666 - 835 | G 3-1 | 7.40 | 10.6 D | 16A | 82 | 160 | 25 |
| D 48/ 125 | 625 - 735 | 736 - 835 | 836 - 1050 | G 3-1 | 9.00 | 13.0 D | 16A | 86 | 160 | 35 |
| D 48/ 150 | 750 - 880 | 881 - 1000 | 1001 - 1250 | G 4-1 | 11.90 | 17.2 D | 20A | 99 | 200 | 50 |
| D 48/ 170 | 850 - 1000 | 1001 - 1135 | 1136 - 1420 | G 4-1 | 14.90 | 21.5 D | 25A | 112 | 200 | 50 |
| D 48/ 200 | 1000 - 1175 | 1176 - 1335 | 1336 - 1650 | G 4-1 | 17.00 | 24.5 D | 35A | 120 | 250 | 70 |
| D 80/ 30 | 150 - 175 | 176 - 200 | 201 - 250 | G 3-1 | 4.20 | 6.0 D | 10A | 68 | 63 | 16 |
| D 80/ 35 | 175 - 205 | 206 - 235 | 236 - 290 | G 3-1 | 4.50 | 6.3 D | 10A | 70 | 63 | 16 |
| D 80/ 40 | 200 - 235 | 236 - 265 | 266 - 335 | G 3-1 | 5.20 | 7.5 D | 10A | 72 | 63 | 16 |
| D 80/ 50 | 250 - 295 | 296 - 335 | 336 - 420 | G 3-1 | 6.20 | 8.9 D | 16A | 76 | 63 | 16 |
| D 80/ 60 | 300 - 350 | 351 - 400 | 401 - 500 | G 3-1 | 7.40 | 10.7 D | 16A | 79 | 100 | 16 |
| D 80/ 70 | 350 - 410 | 411 - 465 | 466 - 580 | G 4-1 | 8.90 | 12.8 D | 16A | 89 | 100 | 16 |
| D 80/ 80 | 400 - 470 | 471 - 535 | 536 - 665 | G 4-1 | 10.00 | 14.4 D | 16A | 92 | 100 | 16 |
| D 80/ 90 | 450 - 530 | 531 - 600 | 601 - 750 | G 4-1 | 11.20 | 16.1 D | 20A | 96 | 100 | 16 |
| D 80/ 100 | 500 - 590 | 591 - 665 | 666 - 835 | G 4-1 | 12.30 | 17.7 D | 20A | 106 | 160 | 25 |
| D 80/ 125 | 625 - 735 | 736 - 835 | 836 - 1050 | G 4-1 | 15.20 | 21.6 D | 25A | 116 | 160 | 35 |
| D 80/ 150 | 750 - 880 | 881 - 1000 | 1001 - 1250 | G 4-1 | 19.80 | 28.6 D | 35A | 125 | 200 | 50 |
| D 80/ 170 | 850 - 1000 | 1001 - 1135 | 1136 - 1420 | G 4-1 | 21.40 | 30.9 D | 35A | 148 | 200 | 50 |

¹⁾ Siehe Anmerkung auf Seite 4

²⁾ Wand-/Standgerät

¹⁾ See annotation on page 4

²⁾ wall mounted/floor mounted charger

¹⁾ Voir remarques page 4

²⁾ Installation murale/au sol

MultiLine W0Wa

| Gerätetyp | Kapazitätszuordnung bei Ladezeit | | | Ge- häuse ²⁾ | Anschluss- leistung | Netzstrom- aufnahme | Vorsicherung gL/gG (träge) | Gewicht netto | Streifen- sicherung | Ladekabel- querschnitt |
|------------------------------------|--|--------------|-------------|----------------------------|------------------------|------------------------|---------------------------------|------------------|------------------------|--------------------------------|
| Charger type | Capacity matching for charging time | | | Ca- binet ²⁾ | Mains power rating | Mains current | Mains fuse gL/gG (slow) | Weight net | Strip-fuse | Charger cable cross section |
| Type de chargeur | Capacité en fonction du temps de charge | | | Ar- moire ²⁾ | Puissance secteur | Courant secteur | Fusible secteur gL/gG (lent) | Poids net | Fusible batterie | Câble de charge section |
| MultiLine W0Wa-EU ¹⁾ | 5.5 h - 6.5h* | 6.5 h - 8 h* | 8 h - 10 h* | | [kVA] | [A/Phase] | [A] | [kg] | [A] | [mm ²] |
| E 24/ 30 | 120 - 145 | 146 - 170 | 171 - 200 | G 2-1 | 1.10 | 4.7 E | 10A | 31 | 35 | 10 |
| E 24/ 35 | 135 - 160 | 161 - 200 | 201 - 235 | G 2-1 | 1.30 | 5.5 E | 10A | 33 | 63 | 10 |
| E 24/ 40 | 160 - 200 | 201 - 235 | 236 - 270 | G 2-1 | 1.50 | 6.5 E | 10A | 35 | 63 | 10 |
| E 24/ 50 | 201 - 250 | 251 - 270 | 271 - 340 | G 2-1 | 1.90 | 8.2 E | 16A | 38 | 63 | 16 |
| E 24/ 60 | 240 - 270 | 271 - 340 | 341 - 400 | G 2-1 | 2.20 | 9.5 E | 16A | 43 | 100 | 16 |
| E 24/ 70 | 280 - 315 | 316 - 390 | 391 - 475 | G 2-1 | 2.60 | 11.3 E | 16A | 46 | 100 | 25 |
| E 24/ 80 | 320 - 370 | 371 - 450 | 451 - 540 | G 2-1 | 3.10 | 13.4 E | 16A | 49 | 100 | 25 |
| D 24/ 90 | 360 - 420 | 421 - 510 | 511 - 610 | G 3-1 | 3.30 | 4.7 D | 10A | 53 | 100 | 25 |
| D 24/ 100 | 405 - 470 | 471 - 560 | 561 - 680 | G 3-1 | 3.80 | 5.4 D | 10A | 76 | 160 | 35 |
| D 24/ 125 | 490 - 560 | 561 - 700 | 701 - 850 | G 3-1 | 4.80 | 6.9 D | 10A | 78 | 160 | 35 |
| D 24/ 150 | 610 - 680 | 681 - 850 | 851 - 1020 | G 3-1 | 5.90 | 8.5 D | 16A | 87 | 200 | 50 |
| D 24/ 170 | 680 - 770 | 771 - 960 | 961 - 1150 | G 3-1 | 7.00 | 10.1 D | 16A | 94 | 200 | 50 |
| D 24/ 200 | 800 - 900 | 901 - 1130 | 1131 - 1350 | G 4-1 | 8.10 | 11.7 D | 16A | 100 | 250 | 70 |
| E 36/ 30 | 120 - 145 | 146 - 170 | 171 - 200 | G 2-1 | 1.70 | 7.4 E | 10A | 36 | 35 | 10 |
| E 36/ 35 | 135 - 160 | 161 - 200 | 201 - 235 | G 2-1 | 2.00 | 8.7 E | 16A | 40 | 63 | 10 |
| E 36/ 40 | 160 - 200 | 201 - 235 | 236 - 270 | G 2-1 | 2.40 | 10.0 E | 16A | 42 | 63 | 10 |
| E 36/ 50 | 201 - 250 | 251 - 270 | 271 - 340 | G 2-1 | 2.90 | 12.6 E | 16A | 49 | 63 | 16 |
| D 36/ 60 | 240 - 270 | 271 - 340 | 341 - 400 | G 3-1 | 3.60 | 5.2 D | 10A | 70 | 100 | 16 |
| D 36/ 70 | 280 - 315 | 316 - 390 | 391 - 475 | G 3-1 | 4.20 | 6.0 D | 10A | 72 | 100 | 16 |
| D 36/ 80 | 320 - 370 | 371 - 450 | 451 - 540 | G 3-1 | 4.80 | 6.9 D | 10A | 75 | 100 | 16 |
| D 36/ 90 | 360 - 420 | 421 - 510 | 511 - 610 | G 3-1 | 5.20 | 7.5 D | 10A | 77 | 100 | 16 |
| D 36/ 100 | 405 - 470 | 471 - 560 | 561 - 680 | G 3-1 | 5.90 | 8.5 D | 16A | 80 | 160 | 25 |
| D 36/ 125 | 490 - 560 | 561 - 700 | 701 - 850 | G 3-1 | 7.40 | 10.7 D | 16A | 84 | 160 | 35 |
| D 36/ 150 | 610 - 680 | 681 - 850 | 851 - 1020 | G 4-1 | 8.90 | 12.8 D | 16A | 95 | 200 | 50 |
| D 36/ 170 | 680 - 770 | 771 - 960 | 961 - 1150 | G 4-1 | 10.50 | 15.1 D | 20A | 109 | 200 | 50 |
| D 36/ 200 | 800 - 900 | 901 - 1130 | 1131 - 1350 | G 4-1 | 12.00 | 17.3 D | 20A | 115 | 250 | 70 |
| E 48/ 30 | 120 - 145 | 146 - 170 | 171 - 200 | G 2-1 | 2.20 | 9.5 E | 16A | 49 | 35 | 10 |
| E 48/ 35 | 135 - 160 | 161 - 200 | 201 - 235 | G 2-1 | 2.60 | 11.2 E | 16A | 51 | 63 | 10 |
| E 48/ 40 | 160 - 200 | 201 - 235 | 236 - 270 | G 2-1 | 3.20 | 13.9 E | 16A | 53 | 63 | 10 |
| D 48/ 50 | 201 - 250 | 251 - 270 | 271 - 340 | G 3-1 | 3.60 | 5.2 D | 10A | 70 | 63 | 16 |
| D 48/ 60 | 240 - 270 | 271 - 340 | 341 - 400 | G 3-1 | 4.40 | 6.3 D | 10A | 72 | 100 | 16 |
| D 48/ 70 | 280 - 315 | 316 - 390 | 391 - 475 | G 3-1 | 5.20 | 7.5 D | 10A | 74 | 100 | 16 |
| D 48/ 80 | 320 - 370 | 371 - 450 | 451 - 540 | G 3-1 | 6.00 | 8.6 D | 16A | 76 | 100 | 16 |
| D 48/ 90 | 360 - 420 | 421 - 510 | 511 - 610 | G 3-1 | 6.90 | 10.0 D | 16A | 79 | 100 | 16 |
| D 48/ 100 | 405 - 470 | 471 - 560 | 561 - 680 | G 3-1 | 7.40 | 10.6 D | 16A | 82 | 160 | 25 |
| D 48/ 125 | 490 - 560 | 561 - 700 | 701 - 850 | G 3-1 | 9.00 | 13.0 D | 16A | 86 | 160 | 35 |
| D 48/ 150 | 610 - 680 | 681 - 850 | 851 - 1020 | G 4-1 | 11.90 | 17.2 D | 20A | 99 | 200 | 50 |
| D 48/ 170 | 680 - 770 | 771 - 960 | 961 - 1150 | G 4-1 | 14.90 | 21.5 D | 25A | 112 | 200 | 50 |
| D 48/ 200 | 800 - 900 | 901 - 1130 | 1131 - 1350 | G 4-1 | 17.00 | 24.5 D | 35A | 120 | 250 | 70 |
| D 80/ 30 | 120 - 145 | 146 - 170 | 171 - 200 | G 3-1 | 4.20 | 6.0 D | 10A | 68 | 63 | 16 |
| D 80/ 35 | 135 - 160 | 161 - 200 | 201 - 235 | G 3-1 | 4.50 | 6.3 D | 10A | 70 | 63 | 16 |
| D 80/ 40 | 160 - 200 | 201 - 235 | 236 - 270 | G 3-1 | 5.20 | 7.5 D | 10A | 72 | 63 | 16 |
| D 80/ 50 | 201 - 250 | 251 - 270 | 271 - 340 | G 3-1 | 6.20 | 8.9 D | 16A | 76 | 63 | 16 |
| D 80/ 60 | 240 - 270 | 271 - 340 | 341 - 400 | G 3-1 | 7.40 | 10.7 D | 16A | 79 | 100 | 16 |
| D 80/ 70 | 280 - 315 | 316 - 390 | 391 - 475 | G 4-1 | 8.90 | 12.8 D | 16A | 89 | 100 | 16 |
| D 80/ 80 | 320 - 370 | 371 - 450 | 451 - 540 | G 4-1 | 10.00 | 14.4 D | 16A | 92 | 100 | 16 |
| D 80/ 90 | 360 - 420 | 421 - 510 | 511 - 610 | G 4-1 | 11.20 | 16.1 D | 20A | 96 | 100 | 16 |
| D 80/ 100 | 405 - 470 | 471 - 560 | 561 - 680 | G 4-1 | 12.30 | 17.7 D | 20A | 106 | 160 | 25 |
| D 80/ 125 | 490 - 560 | 561 - 700 | 701 - 850 | G 4-1 | 15.20 | 21.6 D | 25A | 116 | 160 | 35 |
| D 80/ 150 | 610 - 680 | 681 - 850 | 851 - 1020 | G 4-1 | 19.80 | 28.6 D | 35A | 125 | 200 | 50 |
| D 80/ 170 | 680 - 770 | 771 - 960 | 961 - 1150 | G 4-1 | 21.40 | 30.9 D | 35A | 148 | 200 | 50 |

* mit Elektrolytumwälzung

* with electrolyte circulation

* avec brassage

¹⁾ Siehe Anmerkung auf Seite 4

¹⁾ See annotation on page 4

¹⁾ Voir remarques page 4

²⁾ Wand-/Standgerät

²⁾ wall mounted/floor mounted charger

²⁾ Installation murale/au sol

MultiLine IWUla

| Gerätetyp | Kapazitätszuordnung bei Ladezeit | | | Ge- häuse ²⁾ | Anschluss- leistung | Netzstrom- aufnahme | Vorsicherung gL/gG (träge) | Gewicht netto | Streifen- sicherung | Ladekabel- querschnitt |
|---------------------|--|--|--|----------------------------|------------------------|------------------------|---------------------------------|------------------|------------------------|--------------------------------|
| Charger type | Capacity matching for charging time | | | Ca- binet ²⁾ | Mains power rating | Mains current | Mains fuse gL/gG (slow) | Weight net | Strip-fuse | Charger cable cross section |
| Type de chargeur | Capacité en fonction du temps de charge | | | Ar- moire ²⁾ | Puissance secteur | Courant secteur | Fusible secteur gL/gG (lent) | Poids net | Fusible batterie | Câble de charge section |
| | PzS | | | | | | | | | |

| MultiLine IWUla ¹⁾ | 7.5 h - 8.5 h | 8.5 h - 10 h | 10 h - 12 h | | [kVA] | [A/Phase] | [A] | [kg] | [A] | [mm ²] |
|----------------------------------|---------------|--------------|-------------|-------|-------|-----------|-----|------|-----|--------------------|
| E 24/ 30 | 180 - 220 | 221 - 285 | 286 - 375 | G 2-1 | 1.50 | 6.8 E | 10A | 35 | 63 | 10 |
| E 24/ 35 | 210 - 260 | 261 - 330 | 331 - 440 | G 2-1 | 1.80 | 7.9 E | 16A | 36 | 63 | 16 |
| E 24/ 40 | 235 - 295 | 296 - 380 | 381 - 500 | G 2-1 | 2.00 | 8.9 E | 16A | 38 | 63 | 16 |
| E 24/ 50 | 295 - 370 | 371 - 475 | 476 - 625 | G 2-1 | 2.50 | 11.1 E | 16A | 43 | 63 | 16 |
| E 24/ 60 | 350 - 440 | 441 - 570 | 571 - 750 | G 2-1 | 3.10 | 13.5 E | 16A | 49 | 100 | 25 |
| E 24/ 70 | 410 - 520 | 521 - 660 | 661 - 875 | G 2-1 | 3.40 | 14.9 E | 16A | 52 | 100 | 25 |
| E 24/ 80 | 470 - 590 | 591 - 760 | 761 - 1000 | G 2-1 | 3.60 | 15.8 E | 16A | 55 | 125 | 25 |
| D 24/ 90 | 530 - 660 | 661 - 860 | 861 - 1125 | G 3-1 | 4.70 | 7.1 D | 10A | 77 | 160 | 35 |
| D 24/ 100 | 590 - 740 | 741 - 950 | 951 - 1250 | G 3-1 | 5.20 | 7.9 D | 16A | 79 | 160 | 35 |
| D 24/ 125 | 735 - 920 | 921 - 1190 | 1191 - 1560 | G 3-1 | 6.50 | 9.5 D | 16A | 87 | 160 | 50 |
| D 24/ 150 | 880 - 1100 | 1101 - 1430 | 1431 - 1875 | G 4-1 | 7.80 | 11.4 D | 16A | 96 | 200 | 70 |
| D 24/ 170 | 1000 - 1250 | 1251 - 1600 | 1601 - 2125 | G 4-1 | 8.90 | 13.5 D | 16A | 103 | 200 | 95 |
| D 24/ 200 | 1180 - 1470 | 1471 - 1900 | 1901 - 2500 | G 4-1 | 10.50 | 15.2 D | 16A | 108 | 250 | 95 |

| | | | | | | | | | | |
|-----------|-------------|-------------|-------------|-------|-------|--------|-----|-----|-----|----|
| E 36/ 30 | 180 - 220 | 221 - 285 | 286 - 375 | G 2-1 | 2.30 | 10.2 E | 16A | 42 | 63 | 10 |
| E 36/ 35 | 210 - 260 | 261 - 330 | 331 - 440 | G 2-1 | 2.70 | 12.0 E | 16A | 44 | 63 | 16 |
| E 36/ 40 | 235 - 295 | 296 - 380 | 381 - 500 | G 2-1 | 3.10 | 13.6 E | 16A | 49 | 63 | 16 |
| E 36/ 50 | 295 - 370 | 371 - 475 | 476 - 625 | G 2-1 | 3.50 | 15.2 E | 16A | 55 | 63 | 16 |
| D 36/ 60 | 350 - 440 | 441 - 570 | 571 - 750 | G 3-1 | 4.70 | 6.9 D | 10A | 72 | 100 | 25 |
| D 36/ 70 | 410 - 520 | 521 - 660 | 661 - 875 | G 3-1 | 5.20 | 7.9 D | 16A | 75 | 100 | 25 |
| D 36/ 80 | 470 - 590 | 591 - 760 | 761 - 1000 | G 3-1 | 5.90 | 8.6 D | 16A | 77 | 100 | 25 |
| D 36/ 90 | 530 - 660 | 661 - 860 | 861 - 1125 | G 3-1 | 6.70 | 9.8 D | 16A | 80 | 160 | 35 |
| D 36/ 100 | 590 - 740 | 741 - 950 | 951 - 1250 | G 3-1 | 7.40 | 10.7 D | 16A | 84 | 160 | 35 |
| D 36/ 125 | 735 - 920 | 921 - 1190 | 1191 - 1560 | G 4-1 | 9.20 | 13.4 D | 16A | 95 | 160 | 50 |
| D 36/ 150 | 880 - 1100 | 1101 - 1430 | 1431 - 1875 | G 4-1 | 11.10 | 16.1 D | 20A | 108 | 200 | 50 |
| D 36/ 170 | 1000 - 1250 | 1251 - 1600 | 1601 - 2125 | G 4-1 | 12.60 | 18.5 D | 25A | 115 | 250 | 70 |
| D 36/ 200 | 1180 - 1470 | 1471 - 1900 | 1901 - 2500 | G 4-1 | 14.80 | 21.5 D | 25A | 120 | 250 | 95 |

| | | | | | | | | | | |
|-----------|-------------|-------------|-------------|-------|-------|--------|-----|-----|-----|----|
| E 48/ 30 | 180 - 220 | 221 - 285 | 286 - 375 | G 2-1 | 3.00 | 13.4 E | 16A | 53 | 63 | 10 |
| E 48/ 35 | 210 - 260 | 261 - 330 | 331 - 440 | G 2-1 | 3.40 | 14.9 E | 16A | 55 | 63 | 16 |
| E 48/ 40 | 235 - 295 | 296 - 380 | 381 - 500 | G 2-1 | 3.60 | 15.8 E | 16A | 58 | 63 | 16 |
| D 48/ 50 | 295 - 370 | 371 - 475 | 476 - 625 | G 3-1 | 5.20 | 7.6 D | 10A | 72 | 63 | 16 |
| D 48/ 60 | 350 - 440 | 441 - 570 | 571 - 750 | G 3-1 | 6.30 | 9.2 D | 16A | 74 | 100 | 25 |
| D 48/ 70 | 410 - 520 | 521 - 660 | 661 - 875 | G 3-1 | 6.90 | 10.0 D | 16A | 75 | 100 | 25 |
| D 48/ 80 | 470 - 590 | 591 - 760 | 761 - 1000 | G 3-1 | 7.90 | 11.5 D | 16A | 79 | 100 | 25 |
| D 48/ 90 | 530 - 660 | 661 - 860 | 861 - 1125 | G 3-1 | 8.80 | 12.8 D | 16A | 82 | 160 | 35 |
| D 48/ 100 | 590 - 740 | 741 - 950 | 951 - 1250 | G 3-1 | 9.80 | 14.3 D | 16A | 86 | 160 | 35 |
| D 48/ 125 | 735 - 920 | 921 - 1190 | 1191 - 1560 | G 4-1 | 13.10 | 19.0 D | 25A | 99 | 160 | 50 |
| D 48/ 150 | 880 - 1100 | 1101 - 1430 | 1431 - 1875 | G 4-1 | 15.70 | 22.8 D | 25A | 114 | 200 | 50 |
| D 48/ 170 | 1000 - 1250 | 1251 - 1600 | 1601 - 2125 | G 4-1 | 16.70 | 24.5 D | 35A | 120 | 250 | 70 |
| D 48/ 200 | 1180 - 1470 | 1471 - 1900 | 1901 - 2500 | G 4-1 | 20.00 | 29.0 D | 35A | 126 | 250 | 95 |

| | | | | | | | | | | |
|-------------------------|-------------|-------------|-------------|-------|-------|--------|-----|-----|-----|----|
| D 80/ 30 | 180 - 220 | 221 - 285 | 286 - 375 | G 3-1 | 5.00 | 7.3 D | 10A | 72 | 63 | 16 |
| D 80/ 35 | 210 - 260 | 261 - 330 | 331 - 440 | G 3-1 | 5.80 | 8.4 D | 16A | 74 | 63 | 16 |
| D 80/ 40 | 235 - 295 | 296 - 380 | 381 - 500 | G 3-1 | 6.70 | 9.7 D | 16A | 76 | 63 | 16 |
| D 80/ 50 | 295 - 370 | 371 - 475 | 476 - 625 | G 3-1 | 8.30 | 12.1 D | 16A | 79 | 63 | 16 |
| D 80/ 60 | 350 - 440 | 441 - 570 | 571 - 750 | G 3-1 | 10.00 | 14.5 D | 16A | 92 | 100 | 25 |
| D 80/ 70 | 410 - 520 | 521 - 660 | 661 - 875 | G 4-1 | 11.70 | 16.9 D | 20A | 96 | 100 | 25 |
| D 80/ 80 | 470 - 590 | 591 - 760 | 761 - 1000 | G 4-1 | 13.40 | 19.4 D | 25A | 106 | 100 | 25 |
| D 80/ 90 | 530 - 660 | 661 - 860 | 861 - 1125 | G 4-1 | 15.00 | 21.6 D | 25A | 110 | 160 | 35 |
| D 80/ 100 | 590 - 740 | 741 - 950 | 951 - 1250 | G 4-1 | 16.70 | 24.2 D | 35A | 116 | 160 | 35 |
| D 80/ 125 | 735 - 920 | 921 - 1190 | 1191 - 1560 | G 4-1 | 20.80 | 30.1 D | 35A | 125 | 160 | 50 |
| D 80/ 150 ³⁾ | 880 - 1100 | 1101 - 1430 | 1431 - 1875 | GU 06 | 21.60 | 31.3 D | 35A | 205 | 200 | 50 |
| D 80/ 170 ³⁾ | 1000 - 1250 | 1251 - 1600 | 1601 - 2125 | GU 06 | 24.50 | 35.5 D | 50A | 210 | 250 | 70 |
| D 80/ 200 ³⁾ | 1180 - 1470 | 1471 - 1900 | 1901 - 2500 | GU 08 | 28.70 | 41.5 D | 50A | 215 | 250 | 95 |

| Gehäusetyp | Höhe | Breite | Tiefe |
|-----------------|---------|---------|-----------------|
| Type of cabinet | Height | Width | Depth |
| Type d'armoire | Hauteur | Largeur | Pro- fondeur |

| | [mm] | [mm] | [mm] |
|-------|------|------|------|
| G 2-1 | 380 | 575 | 380 |
| G 3-1 | 690 | 575 | 440 |
| G 4-1 | 690 | 575 | 540 |
| GU 06 | 1425 | 600 | 600 |
| GU 08 | 1425 | 800 | 600 |

¹⁾ Siehe Anmerkung auf Seite 4
³⁾ Auslieferung ohne Netzstecker

¹⁾ Voir remarques page 4
³⁾ Livraison sans prise secteur

¹⁾ See annotation on page 4
³⁾ Delivery without mains plug

MultiLine IWU1a

| Gerätetyp | Kapazitätszuordnung bei Ladezeit | | | | Ge-häuse ²⁾ | Anschluss-leistung | Netzstrom-aufnahme | Vorsicherung gL/gG (träge) | Gewicht netto | Streifen-sicherung | Ladekabel-querschnitt |
|------------------|---|--|----------------|--|-------------------------|--------------------|--------------------|------------------------------|---------------|--------------------|-----------------------------|
| Charger type | Capacity matching for charging time | | | | Ca-binnet ²⁾ | Mains power rating | Mains current | Mains fuse gL/gG (slow) | Weight net | Strip-fuse | Charger cable cross section |
| Type de chargeur | Capacité en fonction du temps de charge | | | | Ar-moire ²⁾ | Puissance secteur | Courant secteur | Fusible secteur gL/gG (lent) | Poids net | Fusible batterie | Câble de charge section |
| | PzS | | Water Less® 20 | | | | | | | | |

| MultiLine IWU1a-EU ¹⁾ | 5.5h - 6.5h* | 6.5h - 9h* | 7.5h - 8.5h* | 8.5h - 12h* | | [kVA] | [A/Phase] | [A] | [kg] | [A] | [mm ²] |
|----------------------------------|--------------|-------------|--------------|-------------|-------|-------|-----------|-----|------|-----|--------------------|
| E 24/ 30 | 130 - 175 | 176 - 270 | 120 - 150 | 151 - 198 | G 2-1 | 1.50 | 6.8 E | 10A | 35 | 63 | 10 |
| E 24/ 35 | 156 - 205 | 206 - 310 | 140 - 175 | 176 - 230 | G 2-1 | 1.80 | 7.9 E | 16A | 36 | 63 | 16 |
| E 24/ 40 | 176 - 235 | 236 - 360 | 160 - 200 | 201 - 270 | G 2-1 | 2.00 | 8.9 E | 16A | 38 | 63 | 16 |
| E 24/ 50 | 236 - 295 | 296 - 450 | 200 - 250 | 251 - 330 | G 2-1 | 2.50 | 11.1 E | 16A | 43 | 63 | 16 |
| E 24/ 60 | 296 - 350 | 351 - 540 | 240 - 300 | 301 - 400 | G 2-1 | 3.10 | 13.5 E | 16A | 49 | 100 | 25 |
| E 24/ 70 | 321 - 410 | 411 - 630 | 280 - 350 | 351 - 460 | G 2-1 | 3.40 | 14.9 E | 16A | 52 | 100 | 25 |
| E 24/ 80 | 351 - 470 | 471 - 720 | 320 - 400 | 401 - 540 | G 2-1 | 3.60 | 15.8 E | 16A | 55 | 125 | 25 |
| D 24/ 90 | 411 - 525 | 526 - 810 | 360 - 450 | 451 - 600 | G 3-1 | 4.70 | 7.1 D | 10A | 77 | 160 | 35 |
| D 24/ 100 | 471 - 580 | 581 - 900 | 400 - 500 | 501 - 660 | G 3-1 | 5.20 | 7.9 D | 16A | 79 | 160 | 35 |
| D 24/ 125 | 581 - 735 | 736 - 1130 | 500 - 625 | 626 - 840 | G 3-1 | 6.50 | 9.5 D | 16A | 87 | 160 | 50 |
| D 24/ 150 | 736 - 880 | 881 - 1350 | 600 - 750 | 751 - 1000 | G 4-1 | 7.80 | 11.4 D | 16A | 96 | 200 | 70 |
| D 24/ 170 | 801 - 1025 | 1026 - 1450 | 680 - 850 | 851 - 1150 | G 4-1 | 8.90 | 13.5 D | 16A | 103 | 200 | 95 |
| D 24/ 200 | 881 - 1170 | 1171 - 1550 | 800 - 1000 | 1001 - 1300 | G 4-1 | 10.50 | 15.2 D | 16A | 108 | 250 | 95 |

| | | | | | | | | | | | |
|-----------|------------|-------------|------------|-------------|-------|-------|--------|-----|-----|-----|----|
| E 36/ 30 | 130 - 175 | 176 - 270 | 120 - 150 | 151 - 198 | G 2-1 | 2.30 | 10.2 E | 16A | 42 | 63 | 10 |
| E 36/ 35 | 156 - 205 | 206 - 310 | 140 - 175 | 176 - 230 | G 2-1 | 2.70 | 12.0 E | 16A | 44 | 63 | 16 |
| E 36/ 40 | 176 - 235 | 236 - 360 | 160 - 200 | 201 - 270 | G 2-1 | 3.10 | 13.6 E | 16A | 49 | 63 | 16 |
| E 36/ 50 | 236 - 295 | 296 - 450 | 200 - 250 | 251 - 330 | G 2-1 | 3.50 | 15.2 E | 16A | 55 | 63 | 16 |
| D 36/ 60 | 296 - 350 | 351 - 540 | 240 - 300 | 301 - 400 | G 3-1 | 4.70 | 6.9 D | 10A | 72 | 100 | 25 |
| D 36/ 70 | 321 - 410 | 411 - 630 | 280 - 350 | 351 - 460 | G 3-1 | 5.20 | 7.9 D | 16A | 75 | 100 | 25 |
| D 36/ 80 | 351 - 470 | 471 - 720 | 320 - 400 | 401 - 540 | G 3-1 | 5.90 | 8.6 D | 16A | 77 | 100 | 25 |
| D 36/ 90 | 411 - 525 | 526 - 810 | 360 - 450 | 451 - 600 | G 3-1 | 6.70 | 9.8 D | 16A | 80 | 160 | 35 |
| D 36/ 100 | 471 - 580 | 581 - 900 | 400 - 500 | 501 - 660 | G 3-1 | 7.40 | 10.7 D | 16A | 84 | 160 | 35 |
| D 36/ 125 | 581 - 735 | 736 - 1130 | 500 - 625 | 626 - 840 | G 4-1 | 9.20 | 13.4 D | 16A | 95 | 160 | 50 |
| D 36/ 150 | 736 - 880 | 881 - 1350 | 600 - 750 | 751 - 1000 | G 4-1 | 11.10 | 16.1 D | 20A | 108 | 200 | 50 |
| D 36/ 170 | 801 - 1025 | 1026 - 1450 | 680 - 850 | 851 - 1150 | G 4-1 | 12.60 | 18.5 D | 25A | 115 | 250 | 70 |
| D 36/ 200 | 881 - 1170 | 1171 - 1550 | 800 - 1000 | 1001 - 1300 | G 4-1 | 14.80 | 21.5 D | 25A | 120 | 250 | 95 |

| | | | | | | | | | | | |
|-----------|------------|-------------|------------|-------------|-------|-------|--------|-----|-----|-----|----|
| E 48/ 30 | 130 - 175 | 176 - 270 | 120 - 150 | 151 - 198 | G 2-1 | 3.00 | 13.4 E | 16A | 53 | 63 | 10 |
| E 48/ 35 | 156 - 205 | 206 - 310 | 140 - 175 | 176 - 230 | G 2-1 | 3.40 | 14.9 E | 16A | 55 | 63 | 16 |
| E 48/ 40 | 176 - 235 | 236 - 360 | 160 - 200 | 201 - 270 | G 2-1 | 3.60 | 15.8 E | 16A | 58 | 63 | 16 |
| D 48/ 50 | 236 - 295 | 296 - 450 | 200 - 250 | 251 - 330 | G 3-1 | 5.20 | 7.6 D | 10A | 72 | 63 | 16 |
| D 48/ 60 | 296 - 350 | 351 - 540 | 240 - 300 | 301 - 400 | G 3-1 | 6.30 | 9.2 D | 16A | 74 | 100 | 25 |
| D 48/ 70 | 321 - 410 | 411 - 630 | 280 - 350 | 351 - 460 | G 3-1 | 6.90 | 10.0 D | 16A | 75 | 100 | 25 |
| D 48/ 80 | 351 - 470 | 471 - 720 | 320 - 400 | 401 - 540 | G 3-1 | 7.90 | 11.5 D | 16A | 79 | 100 | 25 |
| D 48/ 90 | 411 - 525 | 526 - 810 | 360 - 450 | 451 - 600 | G 3-1 | 8.80 | 12.8 D | 16A | 82 | 160 | 35 |
| D 48/ 100 | 471 - 580 | 581 - 900 | 400 - 500 | 501 - 660 | G 3-1 | 9.80 | 14.3 D | 16A | 86 | 160 | 35 |
| D 48/ 125 | 581 - 735 | 736 - 1130 | 500 - 625 | 626 - 840 | G 4-1 | 13.10 | 19.0 D | 25A | 99 | 160 | 50 |
| D 48/ 150 | 736 - 880 | 881 - 1350 | 600 - 750 | 751 - 1000 | G 4-1 | 15.70 | 22.8 D | 25A | 114 | 200 | 50 |
| D 48/ 170 | 801 - 1025 | 1026 - 1450 | 680 - 850 | 851 - 1150 | G 4-1 | 16.70 | 24.5 D | 35A | 120 | 250 | 70 |
| D 48/ 200 | 881 - 1170 | 1171 - 1550 | 800 - 1000 | 1001 - 1300 | G 4-1 | 20.00 | 29.0 D | 35A | 126 | 250 | 95 |

| | | | | | | | | | | | |
|------------------------|------------|-------------|------------|-------------|-------|-------|--------|-----|-----|-----|----|
| D 80/ 30 | 130 - 175 | 176 - 270 | 120 - 150 | 151 - 198 | G 3-1 | 5.00 | 7.3 D | 10A | 72 | 63 | 16 |
| D 80/ 35 | 156 - 205 | 206 - 310 | 140 - 175 | 176 - 230 | G 3-1 | 5.80 | 8.4 D | 16A | 74 | 63 | 16 |
| D 80/ 40 | 176 - 235 | 236 - 360 | 160 - 200 | 201 - 270 | G 3-1 | 6.70 | 9.7 D | 16A | 76 | 63 | 16 |
| D 80/ 50 | 236 - 295 | 296 - 450 | 200 - 250 | 251 - 330 | G 3-1 | 8.30 | 12.1 D | 16A | 79 | 63 | 16 |
| D 80/ 60 | 296 - 350 | 351 - 540 | 240 - 300 | 301 - 400 | G 3-1 | 10.00 | 14.5 D | 16A | 92 | 100 | 25 |
| D 80/ 70 | 321 - 410 | 411 - 630 | 280 - 350 | 351 - 460 | G 4-1 | 11.70 | 16.9 D | 20A | 96 | 100 | 25 |
| D 80/ 80 | 351 - 470 | 471 - 720 | 320 - 400 | 401 - 540 | G 4-1 | 13.40 | 19.4 D | 25A | 106 | 100 | 25 |
| D 80/ 90 | 411 - 525 | 526 - 810 | 360 - 450 | 451 - 600 | G 4-1 | 15.00 | 21.6 D | 25A | 110 | 160 | 35 |
| D 80/ 100 | 471 - 580 | 581 - 900 | 400 - 500 | 501 - 660 | G 4-1 | 16.70 | 24.2 D | 35A | 116 | 160 | 35 |
| D 80/ 125 | 581 - 735 | 736 - 1130 | 500 - 625 | 626 - 840 | G 4-1 | 20.80 | 30.1 D | 35A | 125 | 160 | 50 |
| D 80/150 ³⁾ | 736 - 880 | 881 - 1350 | 600 - 750 | 751 - 1000 | GU 06 | 21.60 | 31.3 D | 35A | 205 | 200 | 50 |
| D 80/170 ³⁾ | 801 - 1025 | 1026 - 1450 | 680 - 850 | 851 - 1150 | GU 06 | 24.50 | 35.5 D | 50A | 210 | 250 | 70 |
| D 80/200 ³⁾ | 881 - 1170 | 1171 - 1550 | 800 - 1000 | 1001 - 1300 | GU 08 | 28.70 | 41.5 D | 50A | 215 | 250 | 95 |

* mit Elektrolytumwälzung

* avec brassage

- ¹⁾ Siehe Anmerkung auf Seite 4
- ²⁾ Wand-/Standgerät
- ³⁾ Auslieferung ohne Netzstecker

- ¹⁾ Voir remarques page 4
- ²⁾ Installation murale/au sol
- ³⁾ Livraison sans prise secteur

* with electrolyte circulation

- ¹⁾ See annotation on page 4
- ²⁾ wall mounted/floor mounted charger
- ³⁾ Delivery without mains plug

| Gehäusetyp | Höhe | Breite | Tiefe |
|-----------------|---------|---------|-------------|
| Type of cabinet | Height | Width | Depth |
| Type d'armoire | Hauteur | Largeur | Pro-fondeur |

| | [mm] | [mm] | [mm] |
|-------|------|------|------|
| G 2-1 | 380 | 575 | 380 |
| G 3-1 | 690 | 575 | 440 |
| G 4-1 | 690 | 575 | 540 |
| GU 06 | 1425 | 600 | 600 |
| GU 08 | 1425 | 800 | 600 |



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