



# SK Signet SK-400

400kW DC Fast Charger

**400kW**  
MAX OUTPUT

**CCS1 + NACS**  
CONNECTORS

**96.5%**  
EFFICIENCY

**NEVI**  
COMPLIANT

| OUTPUT (DC)          |                                           |
|----------------------|-------------------------------------------|
| Nominal Output Power | 320 / 360 / 400kW (scalable 40kW modules) |
| Max Output Power     | 400kW                                     |
| Voltage Range        | 150 - 1,000 Vdc                           |
| Max Current          | 500A                                      |
| Efficiency           | ≥ 96.5%                                   |
| Connectors           | CCS1 & NACS (Liquid-cooled)               |
| Power Sharing        | Semi-Active (Min 160kW, 40kW steps)       |
| Charging Protocol    | DIN 70121, ISO 15118-2 (PnC)              |

| PHYSICAL               |                                 |
|------------------------|---------------------------------|
| Dimensions (W x D x H) | 700 x 900 x 2,250 mm            |
| Weight                 | 660 kg (1,455 lbs)              |
| Cable Lengths          | 4-port: 5/3/3/5m — 2-port: 5/5m |
| Cable Management       | Swing-Arm                       |
| Enclosure              | NEMA 3R / IK10 (Screen: IK08)   |
| Cooling                | Forced Air                      |

| USER INTERFACE & CONNECTIVITY |                                                |
|-------------------------------|------------------------------------------------|
| Display                       | 32" FHD Touchscreen (1920x1080)                |
| Authentication                | IC Reader, RFID/NFC, QR Code                   |
| Payment                       | Nayax VPOS / ID Tech VP6800 / Invenco Flexpay6 |
| Network                       | Ethernet, 4G/LTE                               |
| Protocol                      | OCPP 2.0.1                                     |
| Lighting                      | Full RGB LED (front + rear banner)             |

| PROTECTIONS                                                                                                                                             |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Over Temp • Over Voltage • Over Current • Proximity Loss • FG Disconnect Detect • AC/DC Surge (SPD) • Insulation Monitoring (IMD) • RCD Type A + DC 6mA |  |

| INPUT (AC)           |                               |
|----------------------|-------------------------------|
| Nominal Input Power  | 425kW                         |
| Voltage              | 480 Vac ±10%, 3P4W + PE, TN-S |
| Frequency            | 50 / 60 Hz                    |
| Max Current          | 511A                          |
| Power Factor         | ≥ 0.99 (@ >50% load)          |
| Short Circuit Rating | 65kA                          |

| ENVIRONMENTAL  |                                |
|----------------|--------------------------------|
| Operating Temp | -30°C to +55°C (with derating) |
| Storage Temp   | -40°C to +70°C                 |
| Humidity       | 5 - 95% (Non-condensing)       |
| Altitude       | 2,000m (6,561 ft)              |
| Noise          | < 65 dB @ 1.5m                 |

| CERTIFICATIONS |                                       |
|----------------|---------------------------------------|
| Safety         | UL 2202, UL 2231-1/2, UL 991, UL 1998 |
| Certification  | NRTL, CSA                             |
| EMC            | FCC Part 15                           |
| Accessibility  | ADA                                   |
| Metering       | CTEP/NTEP (accuracy < 1%)             |
| Compliance     | NEVI, Build America Buy America       |