**1. Product Overview: JéGO 5-Series EV Charger**

The JéGO 5-Series EV Charger is an integrated system that combines a hybrid inverter module, an EV charging module, and energy storage battery modules. This product is designed to power both homes and Electric Vehicles (EVs) with ease, offering an efficient, seamless, and clean energy solution on demand. Users can select the EV charging module and the number of battery modules according to their specific needs. The system includes a built-in energy management system to optimize household energy configuration and reduce electricity costs.

**1.1 System Components & Features** The JéGO 5-Series EV Charger integrates several key components:

* Hybrid Inverter
* EV Charging Module (Optional)
* Energy Storage Battery Modules (with BMS inside)
* Energy Flow Control System and Display Panel
* PV Sockets and PV Switch
* AC Breaker
* Charger Plug and NFC Card Swiping Area
* Charging Connector
* Battery Breaker and LED Indicator
* Base with Universal Wheels (optional at additional cost)

The system boasts certifications such as CE, MSDS, IEC, UN38.3, and CNAS.

**2. Main Features & Benefits**

The JéGO 5-Series EV Charger offers several key advantages:

* **Integrated System:** Combines PV (Photovoltaic), Storage, EV charging, and power distribution into a single unit.
* **Advanced Control:** Controlled by a built-in DSP (Digital Signal Processor) and utilizes advanced SPWM technology.
* **Modular Design:** Features a modular design for excellent expandability, allowing up to 6 battery modules in parallel.
* **Easy Installation:** Can be installed individually within 20 minutes.
* **Real-time Monitoring:** Provides 24-hour real-time online monitoring.

**3. Technical Parameters**

The JéGO 5-Series EV Charger is available in two main models, with specifications for inverter data, battery data, EV charger data, conversion efficiency, and system data.

**3.1 Model: GA8K/7K/5K-30K-XSLE**

* **Inverter Data:**
  + AC Output Rated Power: 8KW
  + Max. PV Input Power: 7000W
  + PV Input Voltage Range: 150~500V
  + MPPT Operating Voltage Range: 150~800V
  + Number of MPPT Trackers: 2
  + Number of Strings per MPPT: 1
  + Max Input Current per MPPT: 18A/18A
  + Nominal Utility Grid Voltage: 380/400V
  + Nominal Utility Grid Frequency: 50/60Hz
  + Rated Power Output to Utility Grid: 5000W
  + Max. Apparent Power Output to Utility Grid: 8800VA
  + Back-up Rated Power: 4500W
  + Switch Time: <10ms
* **Battery Data:**
  + Battery Type: Lithium/Lead-Acid - LiFePO4
  + Single Battery Energy: 5.12kWh
  + No. of Expandable Batteries: 6
  + Usable Energy Range: 10.24-61.44kWh
  + Battery Voltage Range: 41.6~58.5V
* **EV Charger Data:**
  + Rated Power: 7000W
  + Nominal Voltage: 380/400V
  + Nominal Frequency: 50/60Hz
  + Operation Mode: Swipe card/APP control/Insert charger plug to start, Schedule appointment for charging automatically
  + Output Cable: 5m AC charging cable
* **Conversion Efficiency:**
  + Max. Efficiency: 98%
  + ELU Efficiency: 97.5%
  + Max. Battery to AC Efficiency: 94.5%
  + MPPT Efficiency: 99.9%
* **System Data:**
  + Operating Temperature Range: -25~60°C
  + Relative Humidity: 0 to 95% (climate class 4k6), non-condensing
  + Vibration: <0.5G
  + Noise: <35 dB
  + Installation Altitude above Sea Level: <4000m
  + Protection Level: IP54
  + Cooling Mode: Natural Cooling
  + Communication: RS485/CAN/WiFi
  + Inverter Dimensions (W x H x D): 645 x 557 x 370 mm
  + EV Charger Dimensions (W x H x D): 650 x 270 x 370 mm
  + Single Battery Dimensions (W x H x D): 585 x 270 x 370 mm
  + Base Dimensions (W x H x D): 680 x 110 x 378 mm

**3.2 Model: GA8K/11K/10K-50K-XSLE**

* **Inverter Data:**
  + AC Output Rated Power: 5KW
  + Max. PV Input Power: 11000W
  + PV Input Voltage Range: 150~1000V
  + MPPT Operating Voltage Range: 120-430V
  + Number of MPPT Trackers: 2
  + Number of Strings per MPPT: 1
  + Max Input Current per MPPT: 15A/15A
  + Nominal Utility Grid Voltage: 220/230/240V
  + Nominal Utility Grid Frequency: 50/60Hz
  + Rated Power Output to Utility Grid: 8000W
  + Max. Apparent Power Output to Utility Grid: 5500VA
  + Back-up Rated Power: 7200W
  + Switch Time: <15ms
* **Battery Data:**
  + Battery Type: LiFePO4
  + Single Battery Energy: 10kWh
  + No. of Expandable Batteries: 6
  + Usable Energy Range: 25.12-30.72kWh
  + Battery Voltage Range: 41.6~58.5V
* **EV Charger Data:**
  + Rated Power: 11000W
  + Nominal Voltage: 220/230/240V
  + Nominal Frequency: 50/60Hz
  + Operation Mode: Swipe card/APP control/Insert charger plug to start, Schedule appointment for charging automatically
  + Output Cable: 5m AC charging cable
* **Conversion Efficiency:**
  + Max. Efficiency: 97%
  + ELU Efficiency: 95%
  + Max. Battery to AC Efficiency: 95%
  + MPPT Efficiency: 99.9%
* **System Data:**
  + Operating Temperature Range: -25~55°C
  + Relative Humidity: 0-95%
  + Vibration: <0.5G
  + Noise: <25 dB
  + Installation Altitude above Sea Level: <2000m
  + Protection Level: IP66
  + Cooling Mode: Air Cooling
  + Communication: RS485/CAN/WiFi
  + Inverter Dimensions (W x H x D): 645 x 557 x 370 mm
  + EV Charger Dimensions (W x H x D): 650 x 270 x 370 mm
  + Single Battery Dimensions (W x H x D): 585 x 270 x 370 mm