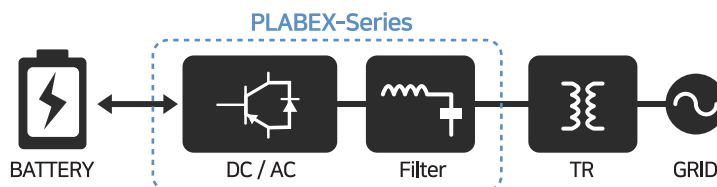


Energy Storage System PCS : **PLABEX-1M**

*PLABEX-Series, Made it for
Energy Storage System(ESS)*



- High reliability based on 20+ years of design
- Efficiency 98%(latest IGBT application)
- Low THD (the latest control technology)
- FRT /Invalid power control
- Black cut / Emergency generation
- Peak cut / Load shift
- Modbus TCP/RTU, CAN, etc. various interfaces
- Simple and clear 7-inch screen HMI



| Model | PLABEX-1M |
|------------------------------|---|
| Input (DC) | |
| Norminal. Input power [kW] | 1050 |
| Max. Input voltage [Vdc] | 950 |
| Max. Input current [Adc] | 1600 |
| DC Voltage range [Vdc] | 750 ~ 1050 |
| Output (AC) | |
| Norminal [kW] | 1000 |
| Nominal output current [Aac] | 1650 |
| Output voltage [Vac, ±10%] | 350 |
| Frequency [Hz] | 60 |
| Current Harmonic [%] | Total<5 / Each<3 |
| Power Factor | ≥0.99 |
| Grid Structure | IT, TN, TT |
| General Data | |
| Cooling principle | Forced Air Cooling |
| Relative humidity [%] | <95 |
| Altitude above sea level [m] | <2000 |
| Grand fault monitoring | Yes |
| IP level | ≥20 |
| Communication | Ethernet(TCP/IP), CAN, RS-232/485 |
| Protection | UV, UV, OT, OC, SC, etc. DC-Switch, DC fuse, AC MCCB, GFD(Option), etc |
| Standard | SGSF-04-2012-07 / EMC CISPR11 : 2011, EN61000-4-2, 4, 6, 11 / IEE1547 |
| Max. efficiency [%] | ≥98.0 |
| Dimensions (W/D/H) [mm] | 2060 * 790 * 2152 |
| Weight [kg] | about 2000 |