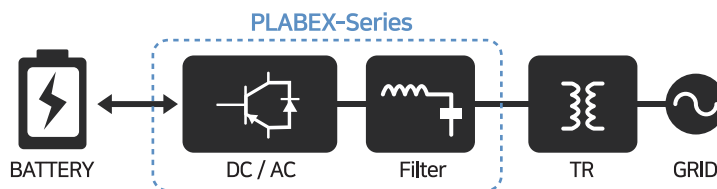


# Energy Storage System PCS : **PLABEX-500K**

*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-500K
<b>Input (DC)</b>	
Norminal. Input power [kW]	525
Max. Input voltage [Vdc]	950
Max. Input current [Adc]	800
DC Voltage range [Vdc]	550 ~ 850
<b>Output (AC)</b>	
Norminal [kW]	500
Nominal output current [Aac]	824
Output voltage [Vac, ±10%]	350
Frequency [Hz]	60
Current Harmonic [%]	Total<5 / Each<3
Power Factor	≥0.99
Grid Structure	IT, TN, TT
<b>General Data</b>	
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]	1300 * 790 * 2152
Weight [kg]	about 1000