

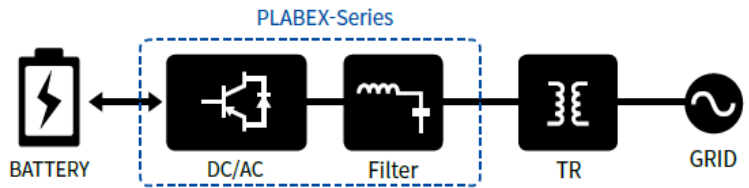
# Energy Storage System PCS : **PLABEX-2.9MH1**

*PLABEX-Series, Made it for*

*Energy Storage System(ESS)*



- 국내 최소사이즈
- 단위용량 500kW PEBB
- 20년 이상의 수명설계에 따른 높은 신뢰성
- Efficiency 98% (최신 IGBT적용)
- 낮은 THD (최신 제어기술 적용)
- FRT / 무효전력제어
- Modbus TCP/RTU, CAN 등 다양한 인터페이스
- 간결하고 명확한 7인치 화면의 HMI



Model	PLABEX-2.9MH1
<b>Input (DC)</b>	
Normal. Input power [kW]	3053
Max. Input voltage [Vdc]	1245
Max. Input current [Adc]	3163
DC Voltage range [Vdc]	915 ~ 1245
<b>Output (AC)</b>	
Norminal [kW]	2900
Nominal output current [Aac]	2887
Output voltage [Vac, ±10%]	580
Frequency [Hz]	60
Current harmonic [%]	Total <5 / Each <3
Power factor	≥0.99
Grid structure	3P3W(IT, TT)
Max. efficiency [%]	≥98.0
Dimensions (W/D/H) [mm]	<b>Indoor:</b> 4200 * 900 * 2050 <b>Outdoor:</b> 4400 * 900 * 2400
Weight [kg]	<b>Indoor:</b> 3800 / <b>Outdoor:</b> 4100
<b>General data</b>	
Cooling principle	Forced Air Cooling
Relative humidity [%]	<95
Operating Temperature[°C]	<b>Indoor:</b> -10 ~ +50°C Derating over +40°C(2%/1°C) <b>Outdoor:</b> -20 ~ +50°C Derating over +40°C(2%/1°C)
Altitude above sea level [m]	<2,000
Grand fault monitoring	Yes(option)
IP level	<b>Indoor:</b> IP21 / <b>Outdoor:</b> Ip54
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