

# Distributed Power-Connected Integrated Solution **PLAONE Series**

## 2020 KC Certification, Distributed Power-Connected Integrated Solution

PLAONE-Series is an integrated system consisting of ESS & PV PCS, DCP & ACP, Intelligent Local management system(L-PMS/EMS) and O&M service platform.(PLANET)

### ■ ESS & PV PCS

Real-time remote monitoring & Diagnostics  
 Highest efficiency, reliability & avg operating rate 99%  
 Grid connection and independent operation mode  
 (Emergency energy back-up)

### ■ Integrated O&M Service Platform (PLANET)

Failure analysis and countermeasure elicitation service  
 Real-time monitoring and advanced predictive diagnostic algorithm  
 Product management for all life, from shipment to inspection, receipt and processing of A/S

### ■ Intelligent Management System (L-PMS/EMS)

Various operation modes  
 (Peak shift, Micro-grid, Distributed power transfer)  
 ESS Safety Information System Connection Support  
 Real-time operation information collection, monitoring and control

### ■ DCP & ACP

Including the insulated transformer  
 DCP for battery connection : UPS for BMS, DC fuse, Breaker, IMD  
 ACP for grid connection : Meter for KPX, Isolating transformer, SPD, Breaker

The PLAONE-Series offers a variety of solution

Type 1 : PV PCS + ESS PCS + DCP + ACP + L-PMS/EMS + PLANET

Type 2 : ESS PCS + DCP + ACP + L-PMS/EMS + PLANET

Type 3 : ESS PCS + L-PMS/EMS + PLANET



PLAONE-80KT1



PLAONE-90KT2 / 100KT2



PLAONE-80KT3

Model	PLAONE-80KT1		PLAONE-90KT2	PLAONE-100KT2	PLAONE-80KT3
	ESS	PV	ESS	ESS	ESS
<b>Specifications</b>					
Max. DC Power [kW]	84	84	95	105	84
Max. DC Voltage [V]	1000		1000		1000
Max. DC Current [A]	148	187	167	184	134
DC Voltage range [Vdc]	570 ~ 1000	450 ~ 850(MPPT)	570 ~ 1000	570 ~ 1000	630 ~ 850
Rated AC Power [kW]	80	80	90	100	80
AC Voltage Range [V]	380±10%				
Max. AC Current [A]	134	134	151	167	134
<b>General Data</b>					
Max. Efficiency [%]	96.71	96.17	96.97	96.76	97.26
Cooling Principle	Forced Air Cooling				
IP Level	IP54	IP54	IP54	IP54	IP54
Operating Temperature [°C]	-20 ~ +50°C				
Dimensions (W/D/H) [mm]	1500 * 1293 * 1120 & 1400 * 1460 * 1120		2260 * 1293 * 1120	2260 * 1293 * 1120	1305 * 1247 * 1120
Weight [kg]	1650		1300		850