

CPS PSA4.8MW -EU

Energy Storage System



Key Features

- 4.8MW Skid, with high power integration density
- PCS has IP66 protection degree, suitable for C5 environment
- Standard 20-foot container integration, pre-assembled and pre-adjusted in the factory, convenient for transportation and installation
- AC 800V output, compatible with photovoltaic and energy storage coupling solutions
- Wide DC voltage range, suitable for various batteries
- Modular design of the PCS, easy to maintain and expand

Model Name	CPS PSA4.8MW -EU
DC Parameter	
Max.DC Input Voltage	1500V
Min.DC Input Voltage	875V
Operating DC input Voltage Range	950~1500V
Max.DC Input Current	24 x 218A
DC Disconnection Type	Load-rated DC Switch
AC Parameter	
Rated AC Output Power @ PF>0.99	24 x 200kW
Rated Output Voltage	800V
Output Voltage Range	704~880V
Grid Connection Type	3-Phase / PE
Max. AC Output Current @ 800Vac	24 x 145A
Grid Frequency / Grid Frequency Range	50Hz / 60Hz (±5Hz)
Power Factor	-1~+1
AC Current THD	<3%
DC Current Injection	<0.5% Inom
AC Surge Protection	Type II
System Parameter	
Dimensions (WxHxD)	238.5 x 114.0 x 96.0in / 6058 x 2896 x 2438mm
Weight	<12T
Enclosure Protection Degree	IP54
Cooling Method	Variable speed cooling fans
Operating Temperature Range	-30°C to +60°C (derating from +45°C)
Operating Humidity	0~95%
Operating Altitude	9842.5ft / 3000m (no derating)
Display and Communication	
Communication	CAN / Ethernet / RS485
Safety	
Certifications and Standards	UL1741, CSA-22.2 NO.107.1-16, FCC Part 15, IEC 62109-1/2, IEC 62477-1, IEC 62040-1, IEC 61000-6-2/4
Selectable Grid Standard	IEEE1547-2018, IEEE1547.1-2010, EN50549-1/2, VED4110&4120, NTS2.1

* Product specifications and dimensions may be updated based on the latest information provided and are subject to change without prior notice.