CPS ECB200KTL

1500Vdc PCS String Inverters



Key Features

- NFPA 70, NEC 2017 compliant
- Integrated DC disconnect switch
- Protection functions for enhanced reliability and safety
- Full power capacity up to 45°C
- IP66 outdoor rated
- Integrated DC-DC bi-directional converter
- Standard 5-year warranty with extension to 20 years
- Wide DC voltage range, suitable for different batteries
- Modular design, easy for maintenance

Model Name	CPS ECB200KTL
DC Parameter	
Max.DC Input Voltage	1500V
Min.DC Input Voltage	875V
Operating DC input Voltage Range	950~1500V
Max.DC Input Current	218A
Max.DC Input Power	207kW
DC Disconnection Type	Load-rated DC Switch
DC Surge Protection	Type II
AC Parameter	
Rated AC Output Power @ PF>0.99	200kVA / 200kW @ 45° C; 170kVA / 170kW @ 50° C
Rated Output Voltage	800Vac
Output Voltage Range	704~880Vac
Grid Connection Type	3-Phase / PE
Max. AC Output Current @ 800Vac	145A
Grid Frequency	50Hz / 60Hz
Grid Frequency Range	45~55Hz / 55~65Hz
Power Factor	-1~+1
AC Current THD	<3%
DC Current Injection	<0.5% Inom
AC Surge Protection	Type II
System Parameter	
Max. Efficiency	98%
CEC Efficiency	97%
Dimensions (WxHxD)	29.5 x 13.1 x 33.5in / 750 x 332 x 850mm
Weight	120kg
Protection Degree	IP66
Cooling Method	Variable speed cooling fans
Operating Temperature Range	-30° C to +60° C (derating from +45° C)
Operating Humidity	0~100%
Operating Altitude	3000m (no derating)
Display and Communication	
User Interface and Display	LED indicators
PCS Inverter Monitoring	CAN / Ethernet / RS485
Safety	
Certifications and Standards	IEC 62920 / IEC 62477 / IEC 61000 / IEC 62109 / IEC 60068 / EN 50549 / UNE 217001&217002 / NTS 2.1 / AS/NZS 4777.2 / VDE 4110&4120&4130 / TOR TYPE A&B / TR3.3.1 / UL 1741 / IEEE 1547

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