

PSI-XCAB-PCS100-B215

PSI-XCAB SERIES | AIR COOLING



- ✓ **SMART COOLING**
For optimal heat dissipation
- ✓ **GUARANTEED BATTERY QUALITY**
- ✓ **ON-GRID AND OFF-GRID SOLUTIONS**
- ✓ **SMART ENERGY MANAGEMENT**

AC Side

Nominal AC Power	100 kW
Nominal AC Current	144.4 A
Max. Apparent AC Power	110 kVA
Nominal Grid Voltage	400 (-20% - +15%) V
Nominal Grid Frequency	50 / 60 V
Adjustable Power Factor Range	1 (0.8 capacitive - 0.8 inductive)
THDi (Nominal Power)	< 3 %
Max Efficiency	98 %

Battery

Battery Type	LFP 280Ah
Battery Capacity	215 kWh
Nominal Battery Voltage	768 V
Battery Voltage Range	600 - 876 V
Discharge Capacity	90 %
Nominal Charge/Discharge Current	140 A

General Information

Dimensions (L x H x D)	1680 x 2420 x 1200 mm
Weight	2800 kg
Operating Temperature Range	- 30 - 55 °C
Relative Humidity (without condensation)	0 - 95 %
Altitude	3000 m
Cooling System	Smart Air Cooling
Input Protection	IP55
Fire Protection	Aerosol (optional: Novec1230) / Water
Type	Non-insulated

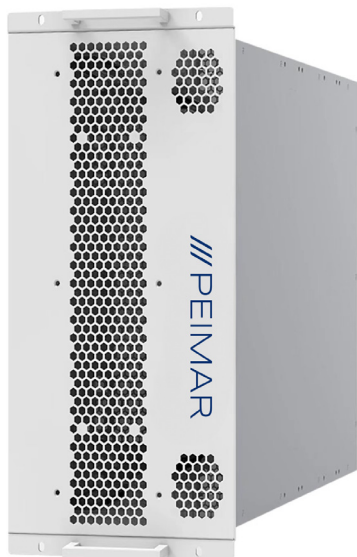
Certificates

For a complete list of certificates, please refer to the website www.peimar.com



PSI-XCAB-PCS100

C&I ESS CABINET | PCS



HIGH-PERFORMANCE LITHIUM BATTERIES

To ensure safety and stable charging



HIGH OPERATING ALTITUDE



ADVANCED SAFETY

Overvoltage, undervoltage, reverse polarity, and anti-isolation protection

AC Side

Nominal Output Power	100 kW
Nominal AC Current	145.0 A
Max Apparent Power	110 kVA
Nominal AC Voltage	3P / (N) / PE, 400 / 230, 380 / 220 V
Nominal AC Frequency	50 / 60 V
Adjustable Power Factor Range	1 (0.99 capacitive - 0.99 inductive)
THDi (Nominal Power)	< 3 %

Battery

Battery Type	Lithium ions
Battery Voltage Range	600 - 950 V
Max. Charge/Discharge Current	140 A

General Information

Max Efficiency	98 %
Input Protection	IP20
Operating Ambient Temperature Range	-25 - 60 °C
Max Operating Altitude	3000 m
Relative Humidity	0 - 95 %
Dimensions (L x H x D)	480 x 260 x 720 mm
Net Weight	70 kg
Cooling System	Forced Air Cooling
Communication Interfaces	RS485 / CAN / Ethernet / DI
Type	Non-insulated

Protection

Overvoltage / Undervoltage Protection	Integrated
DC Reverse Polarity Protection	Integrated
Residual Current Detection	Integrated
Anti-Isolation Protection	Integrated

Certificates

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1. The maximum input voltage represents the maximum DC voltage limit. Any higher DC input voltage could damage the inverter

2. An input voltage that exceeds the MPPT voltage range could trigger the inverter's protection.

3. The Isc current for a single photovoltaic input string is 35 A.



PSI-X-14.3CAB

C&I ESS CABINET | BATTERY PACK



- ✓ **SAFE AND DURABLE**
280Ah Lithium Iron Phosphate Batteries for enhanced safety
- ✓ **FLEXIBILITY**
Wall and floor mounting for various needs
- ✓ **COMPACT DIMENSIONS**
- ✓ **USES AREA NETWORK CONTROLLER**

Safe

280Ah LFP Battery, safe and efficient
Operational battery: -20°C to 53°C, 3000m
IP20 Protection

Flexible

14.3 kWh expandable battery
Flexible configuration 1P16S

Compact

Compact and space-saving solution

Communication

Reliable and efficient communication
Energy Conversion Systems (PCS)

General Information

Battery Type	LFP 280Ah
Battery Capacity	14.3 kWh
Battery Configuration	1P16S
Nominal Battery Voltage	51.2 V
Battery Voltage Range	40 - 58.4 V
Weight	115 kg
Charge/Discharge Frequency	≤ 0.5 C
Dimensions (L x H x D)	461 x 228 x 778 mm
Operating Temperature Range	- 20 - 53 °C
Relative Humidity (without condensation)	0 - 95 %
Max Operating Altitude	3000 m
Input Protection	IP20
PCS Communication	CAN

Certificates

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2. An input voltage that exceeds the MPPT voltage range could trigger the inverter's protection.

3. The Isc current for a single photovoltaic input string is 35 A.