



Pi Station 230EX



Introduction

Pytes liquid cooling battery cabinet integrates battery modules with a full configuration capacity of 232.96kWh. And can be widely used in various application scenarios such as generation and transmission grid, distribution grid, new energy plants.

Features



Flexible

- All-in-one design and highly integrated
- Modular design with different optional parts.



Compatible

- Grid-tied
- 400Vac 3P4W
- Optional backup module



Easy-to-Install

- IP54 rated
- Parallel installation back-to-back



Compliance

- Global grid certified & listed
- Compliance with global safety standards.

Technical Specifications

Mode	PI STATION 230EX
System Specificatoin	
Battery Chemistry	LFP (LiFePO4)
Nominal Output Power	105KW
Battery Capacity	232.96kWh
Battery Nominal Voltage	832V
Operating DC Voltage Range	650V-949V
Recommended. Charging/ Discharging Current	140 ^[1]
Fire Fighting System	1.Sensor Tube(Aerosol) 2.Water Fire Fighting System 3.Heat/Smoke/Gas sensor
Cell Cycle life	6000 ^[2]
DOD	90%
Warranty	3 Year Product Warranty, 10 Year Battery Warranty
Conmmunication	
Communication port	CAN, RS485, Ethernet
Communication protocol	ModbusRTU/TCP
Mechanical	
Dimensions(W x D x H)	1000 x 1390 x 2430mm
Weight	2500kg
Cooling System	Liquid cooling
IP protection	IP54
Environmental	
Reactive Humidty	0-95% (no condensing)
Operating Temperature Range	-20~55°C
Recommended Cell Temperature Range	Charge:0~55°C; Discharge:-20~55°C
Altitude	2000m (>2000 derating)
Regulations	
Certification	CELL IEC 62619:2022, IS 16046 (PART 2) : 2018 / IEC 62133-2 : 2017, UL1642, UL1973, UL9540A, GB/T36276-2023, GB 38031-2020, GB/T 31486-2015, GB/T 31484-2015, GB/T 30512-2014, UN38.3, REACH, RoHS
	PCS CE-EMC, CE-LVD, South Africa NRS097, 50549-1 European general, 50549-2 European general, 50549-1 Netherlands, 50549-1 C10/11 Belgium, 50549-1 Greece, 50549-1 Sweden, 50549-1 Poland, England-G99, VDE-AR-N 4105:2018, GB/T 34120-2017
	System UN38.3, IEC62619, IEC63056, IEC62477, CE-EMC
[1] Charge and discharge current derating will occur outside 0°C and 45°C [2] Under test conditions(20~35°C, 0.5P/0.5P, EOL70%)	