PAM POWER

POM BISI SERIES

Intelligent Battery Energy Storage System

IP65



- Up to 120A max Charging /Discharging Current
- Support Communication With Diesel Generator
- UPS level Automatic Switching (>10ms)
- Support grid connected operation
- Flexible schedule the inverter charging and discharging time.
- Support plug and play expansion

TECHNICAL SPECIFICATION

PRODUCT MODEL	POM 501 HB
PV STRING INPUT DATA	
Recommended Max. PV Power	8 kW
Max. Input Voltage	580V
Rated Input Voltage	350V
Start-up Voltage	120V
MPPT Voltage Range	120-520V
Max, Input Current	20A
Max. Short Circuit Current	22.5A/22.5A
MPPT Number / String Number per MPPT	2/2
AC INPUT DATA	
Max. Input Power	10kW
Max. Apparent Input Power	10kVA
Max. Input Current	50A
Rated Input Voltage /Frequency	L/N/PE 220V/230V 50Hz/60Hz
BATTERY INPUT DATA	
Battery Voltage Range	42-58V
Max. Charging/Discharging Power	6kW
Max. Charging/Discharging Current	120A
Communications	RS485/CAN
BATTERY DATA	
Battery Type	Lithium Iron Phosphate
Battery Module Capacity	5.12kWh
Max. Number of Parallel Modules	4
Rated voltage	51.2V
Working voltage range	40-58.4V
Module Cycle Life	6000
Max. Charging/Discharging Current	120A
AC OUTPUT DATA	
Rated Output Power	6kW
Rated Output Current	27.3A
Max. Output Current	30A
Switching Time	<10ms
Rated Output Voltage/Frequency	L/NPE 220V/230V 50Hz/60Hz
Power Factor	0.8leading...0.8 lagging
THDv	<2%
THDi	<2%
GENERAL DATA	
Dimension (D*W*H)	610*436*257mm
Cooling Concept	Forced-air
Ingress Protection	IP65
Operating Ambient Temperature	-25°-+60°(>45derating)
Max. Operation Altitude	3000m