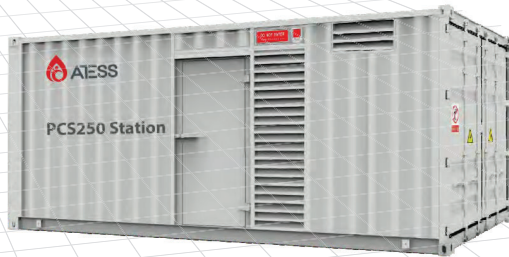


ATESS

PCS250 Station



Overview

Outdoor containerized solution with IP54 protection level to handle harsh environment condition, inbuilt with battery, inverter, solar charge controller and bypass cabinet, total turn-key solution

Features



Cost effective



plug and play

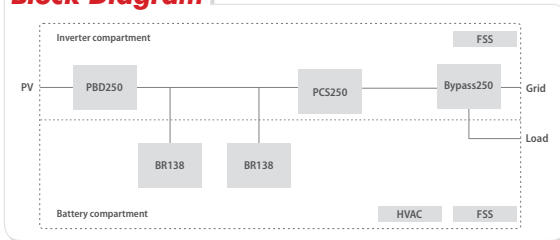


Highly integrated



Easy installation and maintenance

Block Diagram



Datasheet

ATESS PCS250 Station

AC

Apparent power	275KVA
Rated power	250KW
Rated voltage	400V
Rated current	361A
Grid voltage range	310V-450V
Rated frequency	50/60Hz
Frequency range	45-55/55-65Hz
Isolation method	Transformer
Overload capability	110%-10min 120%-1min
AC connection	3/N/PE

DC(Battery)

Cell type	3.2V/100Ah
Configuration of battery module	12S2P
Configuration of battery bank	18S2P
Battery capacity	276kWh
Rated voltage	691.2V
Battery voltage range	604.8V-766.8V
Rated current	417A
Nominal charge/discharge	0.5C
Max charge/discharge	1C
Communication	CAN

DC(PV)

Max PV open circuit voltage	1000VDC
Recommended PV power	250kWp
MPPT voltage range	350V-850V
Full load MPPT voltage range	480V-850V
Max input current	575A(115A*5)
Number of MPPT	5

General Information

Configuration	PCS250+PBD250+8P250+BR138*2
Dimension(W/H/D)	6058/2591/2438mm
Weight	10000kg
Operating temperature	-25°C~+55°C
Relative humidity	0-95% non-condensing
Protection degree	IP54
Maximum altitude	6000m(derate over 3000m)
Standby consumption	<100W
Lighting system	LED Lighting
Fire fighting system	Industrial grade
Cooling of battery chamber	HVAC
Cooling of PCS chamber	Forced-air
Transfer between on/off grid	Automatics<10ms