

# PBS1-430K-H-EX Storage-only Power Block



## Features

### Flexible Configuration

- Modular design with optional 1 or 2 modules.
- Wide DC range: 600Vdc-1500Vdc
- 400/480/600/690Vac grid connection

### High Efficiency & Stability

- Peak efficiency > 99%
- Work independently or in parallel

### Extensive Use

- Compatible with various types of battery systems
- Built-in Aux power & DC panels

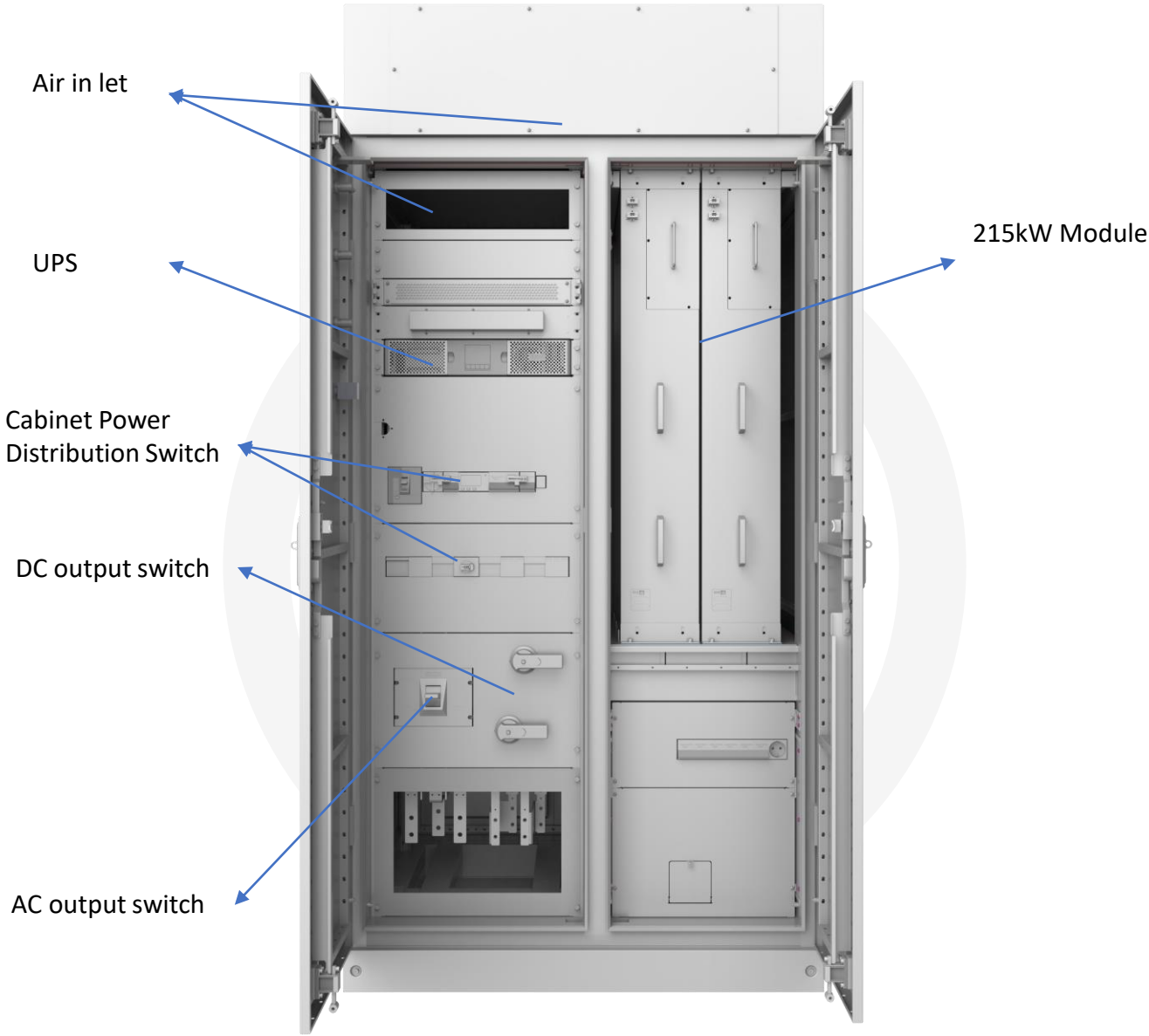
### Safety & Compatibility

- Applicable for both front-of-meter and behind-the-meter installations

# Specification

	PBS1-430KTL-H-EX-2M1	PBS1-430KTL-H-EX-2M2	PBS1-430KTL-H-EX-1M1	PBS1-430KTL-EX-1M2
<b>DC Parameters</b>				
Full Power voltage range	1070V ~ 1500V	1070V ~ 1500V	1070V ~ 1500V	1070V ~ 1500V
DC voltage range	1000V ~ 1500V	1000V ~ 1500V	1000V ~ 1500V	1000V ~ 1500V
DC Current range	0A ~ 473A	0A ~ 473A	0A ~ 236A	0A ~ 236A
DC Max Power	473kW	473kW	236kW	236kW
DC Rate Power	430kW	430kW	215kW	215kW
Voltage regulation accuracy	≤±1%			
Current regulation accuracy	≤±1%			
Number of DC input circuit breakers	2	2	2	2
Number of Modules	2	2	1	1
Number of Branches	1	2	1	2
<b>AC Parameters</b>				
On Grid mode				
Nominal AC Power	430kW	430kW	215kW	215kW
Max AC Power	473kW	473kW	236kW	236kW
AC Voltage	690(-15%~10%)V			
AC Frequency	50/60 (-5~5) Hz			
THDi	≤3%			
AC PF	0.99/-1~1			
Off Grid mode				
AC Connection	3P3W	3P3W	3P3W	3P3W
AC Output Power	690V	690V	690V	690V
AC Output Frequency	50Hz/60Hz			
Nominal AC Output Power	430kW	430kW	215kW	215kW
Electrical Isolation Type	Non-isolated			
Certification	EN50549-1/EN50549-2 G99+Network Security VDE4105/VDE4110 type B AS4777 JET			
Cooling	Air cooling			
Size (W*H*D)	1100*2280*1000 mm			
Weight	1000 kg			
Operating Temp.	-20 ~ 60°C (De-rating over 45°C)			
Full Power Temp.	-20 ~ 45°C			
Humidity	0~95% (No condensing)			
Electromagnetic Emission Type				
Enclosure	NEMA3R/IP54			
Max Elevation	3000m/10000feet(> 3000m/10000feet derating)			
<b>Other</b>				
Auxiliary Power	6 switches of 5-6kW each			
Aux Transformer	690V/400V DYN 11			
UPS Power				

# Appearance



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