



# Energy Storage Converter

## PCS Series (100~500kVA)

- » Grid Voltage & frequency regulation
- » Peak shaving, schedule power consumption
- » Supply backup power during electricity outage
- » Smooth renewable power

### High Reliability:

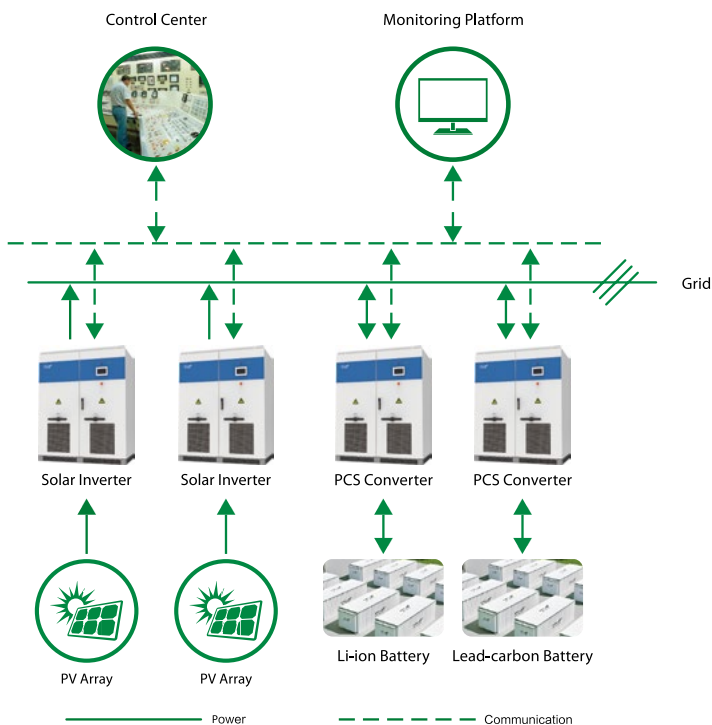
- Efficient heat sink design, best cooling
- Unique IGBT parallel technology + Laminated Busbar
- Twin channel dual power redundant
- Film capacitor for the DC Bus, long life guarantee
- Intelligent fan speed control and fault detection

### Excellent Performance:

- High efficiency up to 99%
- Strong environmental adaptability
- Low voltage ride through (LVRT) function
- SVG, reactive power compensation
- Wide voltage and frequency

### Value-added Service:

- Support grid scheduling
- Container for outdoor use
- Parallel to MW level
- Built-in isolation transformer
- Seamless Switch between on-grid mode and off-grid mode



## Technical Specification:

Items	PCS100K-A	PCS250K-A	PCS500K-B
<b>Input</b>			
DC Voltage Range (VDC)	520~850		
Max Input Current (A)	200	500	990
<b>Output</b>			
Rated Output Power (kW)	100	250	500
Max. Output Reactive Power (kVar)	100	250	500
Rated Grid Voltage (V)	380V (3L+1PE)		315
Rated Frequency (Hz)	50/60		
THDi	<3%		
Power Factor	0.99/-0.9~+0.9 adjustable		
<b>Others</b>			
Max Efficiency	96.2%	98.7%	99.0%
Noise (dB)	<65		
Working Ambient Temperature (°C)	-25~+55		
Working Ambient Humidity	0~95%		
Cooling	Forced cooling		
Installation Altitude (m)	Derating use above 3000m		
Display	Touch screen		
Communication	RS485		
IP Grade	IP20		
Dimension (WxDxH) (mm)	600x800x1600 With transformer	1000x800x2000 With transformer	1100x800x2000 Without transformer
Weight (kg)	650	1600	1000

• Specifications are subject to change without prior notice.

## Energy Storage Container Perspective:



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