

Features

- Modular design and wide power range in single cabinet
- Bi-directional Power Conversion System
- Grid-support functions
- Flexible derating available

Specification

Model	PWS1-500KTL-xMx							
	PWS1-500KTL-EX-8M8	PWS1-500KTL-EX-7M8	PWS1-500KTL-EX-6M8	PWS1-500KTL-EX-5M8	PWS1-500KTL-EX-4M8	PWS1-500KTL-EX-3M8	PWS1-500KTL-EX-2M8	PWS1-500KTL-EX-1M8

Utility-interactive Mode

Battery voltage range	600~900V							
DC max current	873A	763A	654A	545A	436A	327A	218A	109A
AC voltage	380V/400V (±15%)							
AC current	720A	630A	540A	450A	360A	270A	180A	90A
AC max current	792A	693A	594A	495A	396A	297A	196A	99A
Nominal power	500kVA	437.5kVA	375kVA	312.5kVA	250kVA	187.5kVA	125kVA	62.5kVA
AC max power	550kVA	481.2kVA	412.5kVA	343.8kVA	275kVA	205.2kVA	137.5kVA	68.7kVA
AC frequency	50/60Hz(±2.5Hz)							
THDi	≤3%							
AC PF	Listed: 0.8~1 leading or lagging (Controllable) Actual: 0.1~1 leading or lagging (Controllable)							

Stand-alone Mode

Battery voltage range	600~900V							
DC Max Current	873A	763A	654A	545A	436A	327A	218A	109A
AC voltage	380/400(±10%configurable)Vac							
AC voltage range	360~440V							
AC current	720A	630A	540A	450A	360A	270A	180A	90A
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Output THDU	≤2% (Linear load)							
AC frequency	50/60Hz							
AC PF	Listed: 0.8~1 leading or lagging (Load-depend)							

Actual: 0.1~1 leading or lagging (Load-depend)

Overload Capability	110%~115%	10min;
	115%~125%	1min;
	125%~150%	200ms

Physical

Cooling	Forced air cooling							
Noise	< 75dB							
Enclosure	NEMA1 IP20							
Max elevation	3000m/10000feet (>3000m/10000feetderating)							
Operating ambient temperature	-20°C to 50°C (De-rating over 45°C)							
Humidity	0~95% (No condensing)							
Size (W×H×D)	1100×2160×800mm							
Weight	600Kg	550Kg	500Kg	450Kg	400Kg	350Kg	300Kg	250Kg
Installation	Floor standing							

Other

Peak efficiency	98.30%							
Protection	OTP, AC OVP/UVP, OFP/UFP, EPO, AC Phase Reverse, Fan/Relay Failure, OLP, GFDI, Anti-islanding							
Configurable protection limits	Upper/Lower AC Voltage/Frequency limit, Battery EOD voltage.							
AC connection	3-Phase 3-Wire							
Display	Touch Screen							
Communication	RS485,CAN,Ethernet							
Isolation	Non-isolation							

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	PWS1-500KTL-EX-8M4	PWS1-500KTL-EX-6M4	PWS1-500KTL-EX-4M4	PWS1-500KTL-EX-2M4

Utility-interactive Mode

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DC max current	873A	654A	436A	218A
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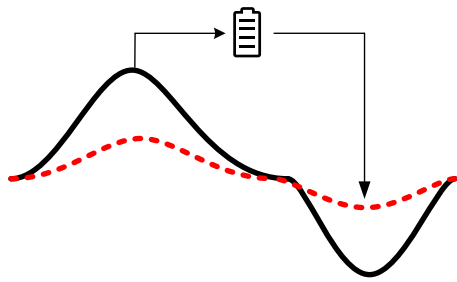
Physical

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Installation	Floor standing			

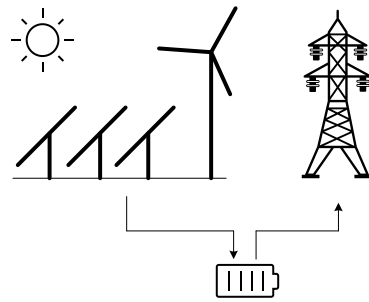
Other

Peak efficiency	98.30%		
Protection	OTP, AC OVP/UVP, OFP/UFP, EPO, AC Phase Reverse, Fan/Relay Failure, OLP, GFDI, Anti-islanding		
Configurable protection limits	Upper/Lower AC Voltage/Frequency limit, Battery EOD voltage.		
AC connection	3-Phase 3-Wire		
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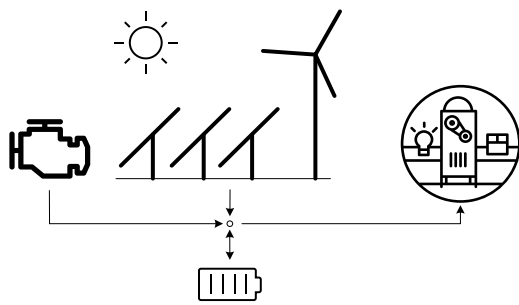
Applications



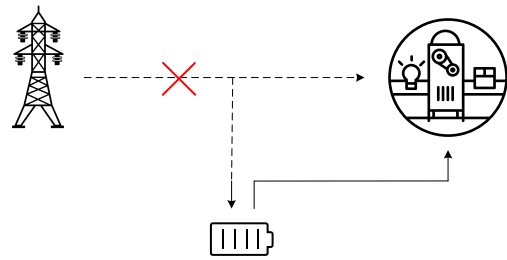
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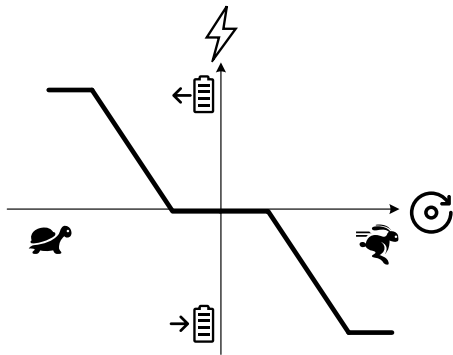
Customer Self Supply



Micro-Grid



Backup power



Frequency regulation