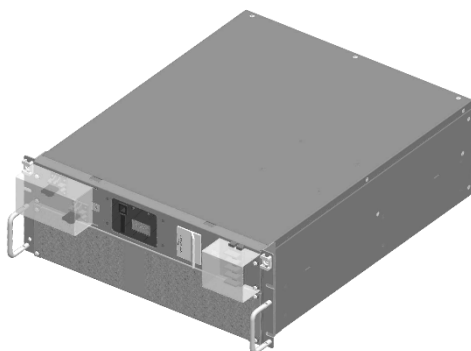


Features



- 30kW High power density
- Bi-directional Power Conversion System
- Grid-support functions
- Virtual Synchronous Generator (VSG) technology for parallel off-grid application



Specification

Utility-interactive Mode

Battery charge/discharge voltage	200V~750V (350~750V Full Power)
Battery charge/discharge current	90A Max
AC voltage	400V±10%
AC current	42A
Nominal power	30kW
AC frequency	50Hz
AC PF	Listed: 0.8~1 leading or lagging (Controllable) Actual: 0.1~1 leading or lagging (Controllable)

Stand-alone Mode

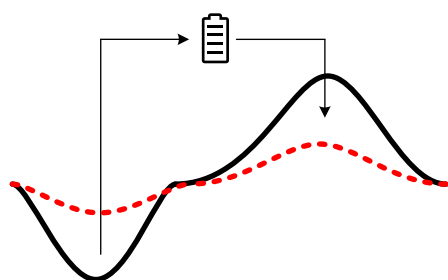
Battery discharge voltage	200V~750V (350~750V Full Power)
Battery discharge current	90A Max
AC output voltage	400V(±5% configurable)
AC output current	42A
Nominal AC output power	30kW(33kW max)
AC frequency	50Hz
AC output PF	Listed: 0.8~1 leading or lagging (Load-depend) Actual: 0.1~1 leading or lagging (Load-depend)
Overload Capability	105%~115% 10min;
	115%~125% 1min;
	125%~150% 200ms

Physical

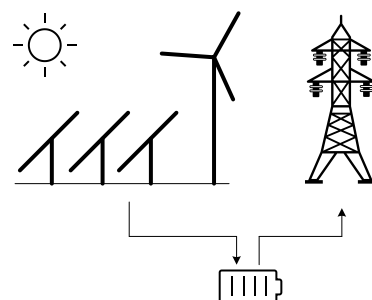
Cooling	Forced air cooling with replaceable fan module
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Noise	<65dB
Enclosure	IP20/NEMA1
Max elevation	3000m/10000feet (> 2000m/6500feet derating)
Operating temp.	-20°C to 60°C (De-rating over 45°C)
Humidity	0~95% (No condensing)
Size (W*H*D)	440*173*596mm
Weight	43kg
Installation	Rack-mounted
Other	
Peak efficiency	97.3%
CEC efficiency	96.5%
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+N+PE
Isolation	Non-isolation
Compliance	IEC62477-1:2012
	EN62477-1:2012+A11
	IEC62040-1-1: 2002
	EN62040-1-1:2003
	EN61000-6-2:2005
	EN61000-6-4:2007+A1
	AS/NZS 4777.2:2015
	AS 62040.1.1-2003
	VDE-AR-N 4105/08.11
	E DIN VDE V 0124-100/10.13
G59/3-2/09.15	

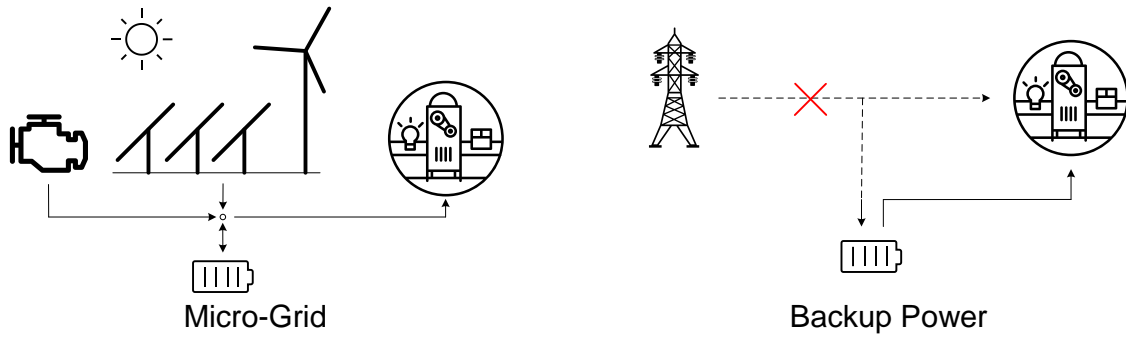
Applications



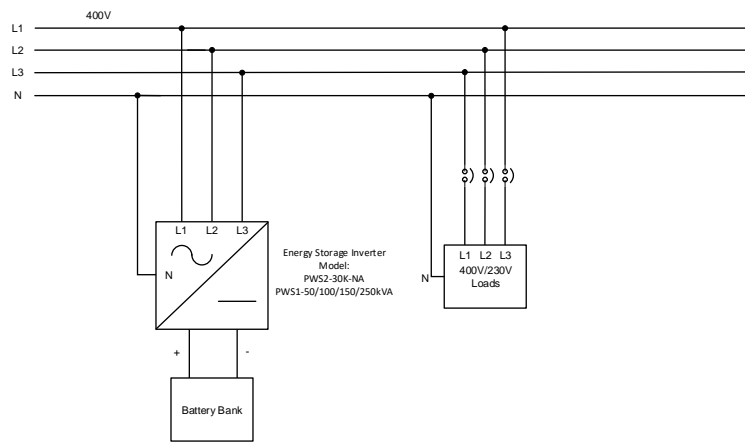
Peak Shifting/Demand Charge Management



Customer Self Supply

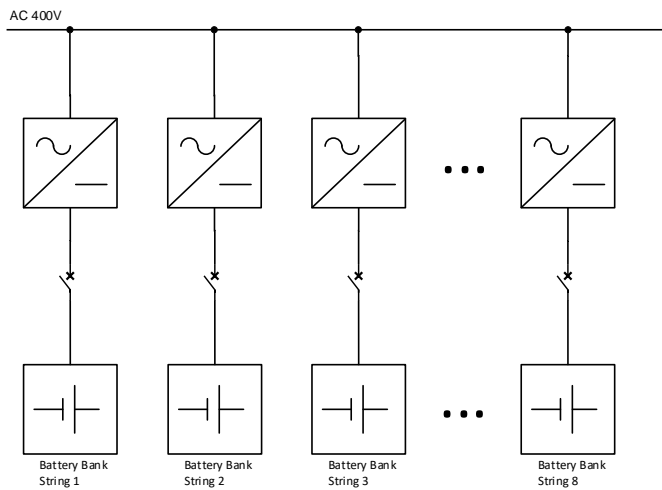


Distribution system connection patterns

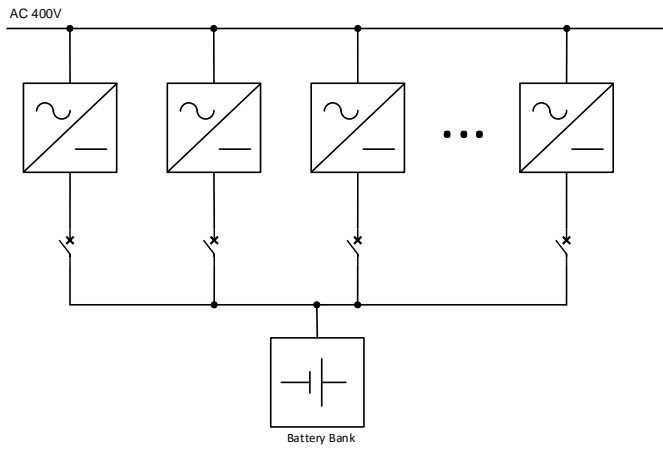


400V distribution system connection

Parallel operation connection patterns



Grid-tied: Supported
Off-grid: Supported(up to 4)



NOT SUPPORTED YET