REVO

C&I Energy Storage Inverter Series

Vanguard
30-500 KW
Hybrid Inverter



KEY STRENGTHS

- Integrated MPPT module/transformer/STS/ maintenance bypass.
- Support 100% unbalance.
- Support parallel connection of multiple machines.
- Global launch of MPPT step-up/-down adaptive technology, supporting flexible configuration of PV capacity
- Support DG load rate control to improve fuel economy.
- Support flexible configuration of control strategies.

APPLICATIONS

Off-grid mine | Off-grid island | Nomadic farm | Villages without electricity



30/50KW



100/150KW



250KW



500KW

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Model	30KW	50KW	100KW	150KW	250KW	500KW
AC(on-grid)						
Max. output power (kW)	33	55	110	165	275	550
Rated output power (kW)	30	50	100	150	250	500
Rated voltage(V)	400					
Voltage range (V)	320~460					
Rated current (A)	43	72	144	216	361	722
Rated frequency (Hz)	50/60					
Frequency range (Hz)	45~55/55~65					
THDi	<3%					
Power factor	1leading-1lagging(settable)					
Grid type	3W+N+PE					
AC(off-grid)						
Max. output power (kW)	33	55	110	165	275	550
Rated power (kW)	30	50	100	150	250	500
Rated voltage (V)	400					
Rated current (A)	43	72	144	216	361	722
THDu	⩽1% linear; or⩽5% nonlinear					
Rated frequency (Hz)	50/60					
Overload capacity	110% long-term, 120% 1min					
PV input						
Max. PV input voltage (V)	1,000					
Max. PV power (kW)	82.5	82.5	165/247.5	165/247.5/330	330/412.5	660/742.5/825
MPPT module quantity	1	1	2/3	2/3/4	4/5	8/9/10
MPPT voltage range (V)	250~1000					
Battery						
Battery voltage range (V)	250~850	320~850	420~950	420~950	420~950	500~950
Max. charging power (kW)	33	55	110	165	275	550
General data						
Dimension W*D*H (mm)	800*800*1,900	800*800*1,900	1,200*800*2,050	1,200*800*2,050	(600*720*2,050)*1+ 1,200*800*2,050	(600*720*2,050)*2+ 1,600*1,050*2,050
Weight (kg)	620	720	1,120/1,150	1,250/1,280/1,310	1,950/1,980	3,205/3,235/3,265
Operation temperature (℃)	-30 ~ 55					
Relative humidity	0 ~95% non-condensing					
Ingress protection	IP20					
Noise emission (dB)	<70					
Operating altitude (m)	>3,000 Derating					
Cooling	Air Cooling					
Display and communication						
Display	LCD touch-screen					
BMS communication	RS485, CAN					
EMS communication	RS485, TCP/IP					
Certificates	EN 62109-1/-2, EN 62477-1, EN 61000-6-2/-6-4, NRS 097-2-1:2024, ASGC					