### large C&I inverter series

# Power conversion system (without isolation transformer)



# **KEY STRENGTHS**

#### Support multiple parallel connection, easy to expand capacity.

Support constant voltage control and constant power control.

Transformerless design, high operating efficiency.

Support Low & high voltage ride through function.

## DC(battery)

Model	N0500	N0630	
Voltage range (V)	600~900		
Max. current (A)	929	1,170	
I			
AC(on-grid)			
Max output power (kW)	550	693	
Rate output power (kW)	500	630	
Rated voltage (V)	400		
Voltage range (V)	320~460		
Rated current (A)	722	909	
Max. output current (A)	800	1,000	
Rated frequency (Hz)	50/60		
Frequency range (Hz)	45~55/55~65		
THDi	<3%		
Power factor	1lagging-1leading (Settable)		
AC connection	3W+PE		
General data			
General data			
Max officiency	08	70/	
-	98.		
Ingress protection	IP:	21	
Ingress protection Noise emission (dB)	P: <7	21 0	
Ingress protection Noise emission (dB) Operating temperature (°C)	ا۲: <7 -30-	21 0 -55	
Ingress protection Noise emission (dB) Operating temperature (°C) Cooling	ا۲: <7 -30- Force	21 70 555 rd air	
Ingress protection Noise emission (dB) Operating temperature (°C) Cooling Relative humidity	۲۵ ۲۵۵ ۲۵۵۰ ۲۰۲۵ ۲۰۲۵ ۲۰۲۵ ۲۰۲۵	21 70 -55 cd air condensing	
Ingress protection Noise emission (dB) Operating temperature (°C) Cooling Relative humidity Operating altitude	IP: <7 -30~ Force 0 ~95% non- 5,000m(>3,00	21 70 ~55 rd air condensing 20 Derating )	
Ingress protection Noise emission (dB) Operating temperature (°C) Cooling Relative humidity Operating altitude Dimension W*D*H (mm)	IP: <7 -30~ Force 0 ~95% non- 5,000m(>3,00 1,000*700	21 '0 -55 -55 -55 	
Ingress protection         Noise emission (dB)         Operating temperature (°C)         Cooling         Relative humidity         Operating altitude         Dimension W*D*H (mm)         Net weight (kg)	IP: <7 -30~ Force 0 ~95% non- 5,000m(>3,00	21 '0 -55 -55 -55 -55 -55 -55 -55 -5	
Max.efficiency         Ingress protection         Noise emission (dB)         Operating temperature (°C)         Cooling         Relative humidity         Operating altitude         Dimension W*D*H (mm)         Net weight (kg)         Transformer	IP: <7 -30~ Force 0~95% non- 5,000m(>3,00 1,000*70 95	21 '0 -55 -55 -55 	

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AC connection	3W+PE		
General data			
Max.efficiency		98.7%	
Ingress protection	98.7% IP21		
Noise emission (dB)	<pre>/// IP21</pre>		
Operating temperature (°C)	-30~55		
Cooling		Forced air	
0	0 ~95%	Forced air % non-condensing	
Relative humidity		Forced air % non-condensing n(>3,000 Derating )	
Cooling Relative humidity Operating altitude Dimension W*D*H (mm)	5,000m	% non-condensing n(>3,000 Derating )	
Relative humidity       Operating altitude       Dimension W*D*H (mm)	5,000m	% non-condensing n(>3,000 Derating) 000*700*2,050	
Relative humidity Operating altitude	5,000m	% non-condensing n(>3,000 Derating )	

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Noise emission (dB) Operating temperature (°C) Cooling		IP21 <70	
Noise emission (dB) Operating temperature (°C) Cooling Relative humidity	F 0 ~95%	IP21 <70 -30~55 Forced air non-condensing	
Noise emission (dB) Operating temperature (°C) Cooling	F 0 ~95%	IP21 <70 -30~55 Forced air	
Noise emission (dB) Operating temperature (°C) Cooling Relative humidity	F 0 ~95% 5,000m(2	IP21 <70 -30~55 Forced air non-condensing	
Noise emission (dB) Operating temperature (°C) Cooling Relative humidity Operating altitude	F 0 ~95% 5,000m(2	IP21 <70 -30~55 Forced air non-condensing >3,000 Derating )	
Noise emission (dB) Operating temperature (°C) Cooling Relative humidity Operating altitude Dimension W*D*H (mm)	F 0 ~95% 5,000m(2	IP21 <70 -30~55 Forced air non-condensing >3,000 Derating ) 0*700*2,050	

Display and communication		
Display	LCD touch-screen	
BMS communication	RS485, CAN	
EMS communication	RS485, TCP/IP	
Certificates	IEC/EN62109-1/-2, IEC/EN 62477-1, IEC/EN 61000-6-2, IEC/EN 61000-6-4, CGC	

# **APPLICATIONS**

PV charging station >>>> Wind power storage Grid-side storage



Combined thermal power FM