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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| General data | | | |
| Max.efficiency | 98.7% | | |
| | | 98.7% | |
| Ingress protection | | 98.7% IP21 | |
| Noise emission (dB) | | IP21 <70 | |
| Noise emission (dB) Operating temperature (°C) | | IP21 | |
| 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