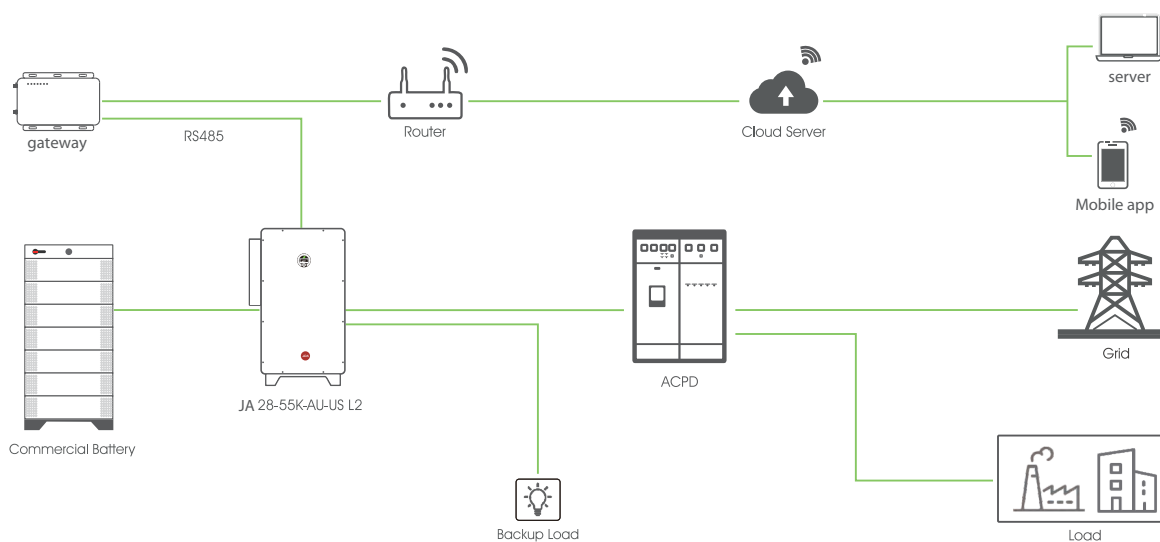
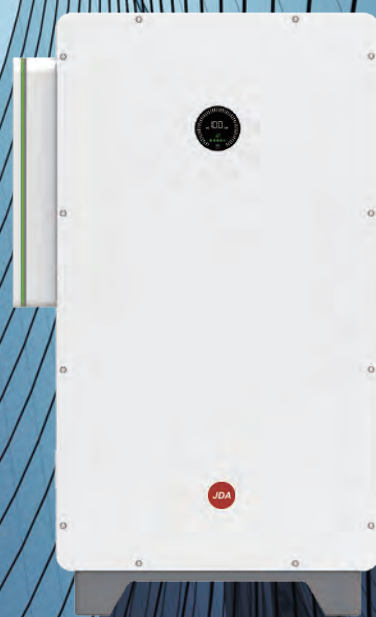


JA 28-55kW Commercial AC-Coupled Inverter

JA-28-55K-A-US L2, JA-28-55K-AU-US L2

- Scalable system configuration, extend to 165kW
- Support UPS function and black start
- 100% unbalanced load when backup
- 110% continuous AC overloading capacity
- Support remote control of DG
- Grid-support functions





| Datasheet | JA 28K-A-US L2 JA 28K-AU-US L2 | JA 35K-A-US L2 JA 35K-AU-US L2 | JA 40K-A-US L2 JA 40K-AU-US L2 | JA 55K-A-US L2 JA 55K-AU-US L2 |
|---|--|-----------------------------------|-----------------------------------|-----------------------------------|
| Output data (AC) | | | | |
| AC nominal power | 28kW | 35kW | 40kW | 55kW |
| Max. AC apparent power | 30.8kVA | 38.5kVA | 44kVA | 60.5kVA |
| Nominal AC voltage/range * | 208V/220V | | | |
| AC voltage range* | -15%~10% | | | |
| AC grid frequency/range | 45-55Hz/55-65Hz | | | |
| Max. output current | 85.6A@208V 80.8A@220V | 106.9A@208V 101@220V | 122.2A@208V 115.5A@220V | 168.1A@208V 158.8A@220V |
| Adjustable power factor | -1...+1 | | | |
| THDi | <3% | | | |
| AC grid connection type | 3P3W+PE/3P4W+PE | | | |
| Stand alone (AC power)* | | | | |
| AC nominal output power | 28kW | 35kW | 40kW | 55kW |
| Max. AC apparent power | 33.6kVA | 42kVA | 48kVA | 66kVA |
| Nominal AC voltage | 208V/220V | | | |
| Nominal AC frequency | 50/60HZ | | | |
| Max. output current | 93.3A | 116.7A | 133.3A | 183.3A |
| Overload Capability | ≤110%: Continues; 110%~120%: 10min; >120%: 200ms | | | |
| Load unbalance | 100% | | | |
| THDV | <3% | | | |
| On/off grid transfer time | 20ms | | | |
| Battery data (DC) | | | | |
| Battery voltage range | 380V-650V | | | |
| Recommended battery voltage | 512V | | | |
| Max. charging / discharging current | 79A | 99A | 113A | 156A |
| Continuous charging / discharging power | 31.7KW | 39.7KW | 45.3KW | 62.3KW |
| BMS communication | RS485/CAN | | | |
| Efficiency | | | | |
| Max. efficiency | 98,00% | | | |
| Protection devices | | | | |
| Battery reverse protection | Yes | | | |
| AC/DC surge protection | Type II | | | |
| Insulation resistance monitoring | Yes | | | |
| Ground fault monitoring | Yes | | | |
| Grid monitoring | Yes | | | |
| Residual-current monitoring unit | Yes | | | |
| AC short-circuit protection | Yes | | | |
| Anti-islanding protection | Yes | | | |
| General | | | | |
| Dimensions (W / H / D) | 820/1350/510mm | | | |
| Weight | 120kg | | | |
| Operating temperature range | -30°C~60°C (>50°C,derating) | | | |
| Altitude | 4000m | | | |
| Topology | Transformerless | | | |
| Cooling | Smart air cooling | | | |
| IP degree | IP66/NEMA 4X | | | |
| Display | LED/WIFI+APP | | | |
| Interfaces:RS485/CAN/USB | Yes | | | |
| Interfaces:RS485/4G/LAN-X | Opt | | | |
| Warranty: 5 / 10 years | Yes/Opt | | | |

UL1741:2021,UL 1741 SA/SB:2020,IEEE1547:2018,IEEE1547.1:2020,HECO Rule 14,E-5000,CSFSA17-SA18,UL1998:2018,CEC,FCC Part 15