

JS Series Hybrid Inverters



Features



Dual Backup Ports

- Customize Critical and Common Loads



Generator Compatible

- Dual Power Sources for Backup During Outage



200% Overload Capability

- 10 Seconds



Unbalanced Loads Supported

- 50% of Rated Power Each Phase



AC Coupling

- Solution for Legacy Users



Scalable

- Parallel up to 90kW to Form a Micro-grid

JS Series Hybrid Inverters Specs

Models	JS3PL8K	JS3PL10K	JS3PL12K	JS3PL15K
Input DC (PV side)				
Max. usable PV input power	12.8 kW	16 kW	19.2 kW	24 kW
Max. input voltage	1000 V			
Rated voltage	550 V			
Start-up voltage	160 V			
MPPT voltage range	200 – 850 V			
Max. input current	20A / 40A			40A / 40A
Max. short circuit current	30A / 50A			50A / 50A
MPPT number / Max. input strings number	2 / 3			2 / 4
Battery				
Battery type	Li-ion / Lead-acid			
Battery voltage range	40 – 60 V			
Max. charge / discharge current	180A	220A	250A	290A
Communication	CAN / RS485			
Output AC (Grid side)				
Rated output power	8 kW	10 kW	12 kW	15 kW
Max. apparent output power	8 kVA	10 kVA	12 kVA	15 kVA
Operation phase	3/N/PE			
Rated grid voltage	380 V / 400 V			
Rated grid frequency	50 Hz / 60 Hz			
Rated grid output current	12.2A / 11.5A	15.2A / 14.4A	18.2A / 17.3A	22.8A / 21.7A
Max. output current	12.2A / 11.5A	15.2A / 14.4A	18.2A / 17.3A	22.8A / 21.7A
Power factor	> 0.99 (0.8 leading – 0.8 lagging)			
THDi	< 3%			
Input AC (Grid side)				
Input voltage range	323 – 460 V			
Max. input current	18.3A / 17.3A	22.8A / 21.7A	27.3A / 26.0A	34.2A / 32.5A
Frequency range	45 – 55 Hz / 55 – 65 Hz			
Input Generator				
Max. input power	8 kW	10 kW	12 kW	15 kW
Max. input current	12.2A	15.2A	18.2A	22.8A
Rated input voltage	3/N/PE, 380 V / 400 V			
Rated input frequency	50 Hz / 60 Hz			
Output AC (Back-up)				
Rated output power	8 kW	10 kW	12 kW	15 kW
Max. apparent output power	2 times of rated power, 10 s			
Back-up switch time	< 10 ms			
Rated output voltage	3/N/PE, 380 V / 400 V			
Rated frequency	50 Hz / 60 Hz			
Rated output current	12.2 A / 11.5 A	15.2 A / 14.4 A	18.2 A / 17.3 A	22.8 A / 21.7 A
Max. continuous output current	12.2 A	15.2 A	18.2 A	22.8 A
Max. continuous AC passthrough current	50 A			
THDv (@linear load)	< 3%			
Efficiency				
Max. efficiency	97.60%			
EU efficiency	97.00%			
Protection	Anti-islanding , Output over current, Short circuit, DC reverse-polarity, Surge			
General Data				
Dimensions (W × H × D)	430 × 660 × 305 mm			
Weight	42 kg			
Topology	Non-isolated			
Operating ambient temperature	-40 ~ +60°C			
Ingress protection	IP66			
Noise emission (typical)	< 65 dB(A)			
Cooling concept	Intelligent fan-cooling			
Max. operation altitude	4000 m			
Features				
Display	7.0" LCD display & Bluetooth + APP			
Communication	CAN, RS485, Ethernet, Optional: Wi-Fi, Cellular, LAN			