



L SERIES

SINGLE-PHASE **INVERTER**



HIGH PERFORMANCE

Low start-up voltage, wide voltage range, 97.4% maximum efficiency.



EASY INSTALLATION

Flexible configuration, plug and play set-up.



IP65 RATED

Engineered to last with maximum flexibility. Suitable for outdoor installation.



REMOTE MONITORING

Monitor your system remotely via smartphone app or web portal.

REFINED – POWERFUL – FLEXIBLE

JMDC offers a range of single MPPT single-phase inverters offering unparalleled efficiency and performance. Our range starts with the JMDC L700 – small and compact and with an ultra-low start-up voltage that will ensure you harvest the most energy possible from your solar panels.

0.7kW ...>> 3.3kW



For more about the JMDC range of single-phase inverters, visit:

www.jmdcenergy.com



TECHNICAL SPECIFICATIONS

MODEL	JMDC L700	JMDC L1000	JMDC L1500	JMDC L2000	JMDC L2500	JMDC L3000	JMDC L3300
INPUT (PV)							
Max. Recommended DC Power [w]	1050	1500	2250	3000	3750	4500	5400
Max. DC Voltage [V]				500			
Nominal DC Operating Voltage [V]				360			
Max. Input Current [A]				16			
Max. Short Circuit Current [A]				20			
MPPT Voltage Range [V]				50 ~ 480			
MPPT Voltage Range (Full Load) [V]	80 ~ 450	110 ~ 450	160 ~ 450	210 ~ 450	240 ~ 450	280 ~ 450	300 ~ 450
Start-up Voltage [V]				60			
No. of MPP Trackers				1			
Strings per MPP Tracker				1			
OUTPUT (AC)							
Nominal AC Power [w]	700	1000	1500	2000	2500	3000	3300
Max. AC Apparent Power [VA]	800	1100	1650	2200	2750	3300	4000
Rated Grid Voltage (AC Voltage Range) [Vac]				220/230/240			
Rated Grid Frequency [Hz]				50/60			
Nominal AC current [A]	3.0	4.3	6.5	8.7	10.9	13.0	14.3
Max. AC current [A]	3.5	4.8	7.2	9.6	12.0	14.3	17.4
Displacement Power Factor				1 (0.8 leading ~ 0.8 lagging)			
Total Harmonic Distortion (THDi, Nominal Output) [%]				<3			
EFFICIENCY							
MPPT Efficiency [%]	99.00	99.00	99.00	99.00	99.00	99.00	99.00
Euro-Efficiency [%]	96.50	96.50	96.50	96.80	96.80	96.80	96.80
Max. Efficiency [%]	97.20	97.20	97.30	97.40	97.40	97.40	97.40
PROTECTION							
DC Reverse-polarity Protection				YES			
Anti-islanding Protection				YES			
Insulation Monitoring				YES			
Residual-current Monitoring				YES			
AC Short Circuit Protection				YES			
AC Output Over Current Protection				YES			
AC Output Over Voltage Protection				III (AC) , II (PV)			
Surge Protection				DC/AC : Type II (Optional)			
Temperature Protection				YES			
AFCI Protection				Optional			
Integrated DC Switch				Optional			
GENERAL DATA							
Dimensions (W*H*D) [mm]				290*220*116			
Weight[kg]				5.4			
Cooling Method				Natural Convection			
Topology				Non-isolated			
Noise Emission (typical) [dB]				<30			
Max. Operating Altitude[m]				3000 m (>2000m Derating)			
Operating Temperature Range [°C]				-25 ~ 60			
Humidity [%]				0 ~ 100 (No Condensation)			
Ingress Protection				IP65			
Internal Consumption at Night [W]				<1			
Monitoring Module: WIFI / GPRS				Optional			
Communication				RS485, Meter/CT, ISO alarm			
Display				LCD, Touch Key, App, Website			
STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)							
Safety			EN 62109-1/2, IEC 62109-2, BIS IS 16169, BIS IS 16221-2				
EMC			EN 61000-6-3,EN IEC 61000-3-2/3, EN IEC 61000-6-1/2/4				
Certification			IEC 61727, IEC 62116, IEC 61683, IEC 60068-2-1/2/14/30/64				



M SERIES

SINGLE-PHASE **INVERTER**



HIGH PERFORMANCE

Low start-up voltage, wide voltage range, 97.4% maximum efficiency.



EASY INSTALLATION

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IP65 RATED

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REMOTE MONITORING

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REFINED – POWERFUL – FLEXIBLE

JMDC offers a range of single and dual-MPPT single-phase inverter offering unparalleled efficiency and performance. Our dual-MPPT M Series range includes 3 – 6kW models. The M Series is IP65 rated and battery ready for easy upgrade when paired with a JMDC charge controller.

3kW ...>> 6kW



For more about the JMDC range of single-phase inverters, visit:

www.jmdcenergy.com



TECHNICAL SPECIFICATIONS

MODEL	JMDC M3000	JMDC M3600	JMDC M4600	JMDC M5000	JMDC M5300	JMDC M6000
INPUT(PV)						
Max. Input Power [W]	4500	5400	6900	7500	7950	9000
Max./Min. Input Voltage [V]	600/80					
Start-up Input Voltage [V]	120					
Rated Input Voltage [V]	360					
MPPT Operating Voltage Range [V]	80 ~ 550					
Max. Input Current[A]	14					
Max. Short-circuit Current [A]	18					
No. of Independent MPP Trackers	2					
No. of Strings per MPP Tracker	1					
OUTPUT(AC)						
Rated Output Apparent Power [VA]	3000	3600	4600	5000	5300	6000
Max. Output Apparent Power [VA]	3300	3960	5060	5500	5830	6000
Rated Grid Voltage [Vac]	220/ 230/ 240					
Rated Grid Frequency [Hz]	50/ 60					
Rated Output Current [A]	13.0	15.7	20.0	21.7	23.0	26.1
Max. Output Current [A]	14.3	17.2	22.0	23.9	25.3	26.1
Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)					
Total Harmonic Distortion (THDi) [%]	<3					
EFFICIENCY						
MPPT Efficiency [%]	99.00					
Euro-efficiency [%]	96.80					
Max. Efficiency [%]	97.40					
PROTECTION						
Insulation Monitoring	YES					
Residual Current Monitoring	YES					
PV String Current Monitoring	YES					
DC Reverse Polarity Protection	YES					
Anti-islanding Protection	YES					
AC Short-circuit Protection	YES					
AC Overcurrent Protection	YES					
AC Overvoltage Protection	YES					
Surge Protection	DC/AC: Type II					
DC Switch	Optional					
AFCI	NO					
GENERAL DATA						
Dimensions (W*H*D) [mm]	402*453*148					
Weight [kg]	14.8					
Cooling Method	Natural Convection					
Topology	Transformerless					
Noise Emission (typical) [dB]	<30					
Max. Operating Altitude [m]	3000					
Operating Temperature Range [°C]	-25 ~ 60					
Humidity [%]	0 ~ 100 (No Condensation)					
Ingress Protection	IP65					
Internal Consumption at Night [W]	<1					
Monitoring Module	LAN/ WIFI / GPRS / 4G (Optional)					
Communication	RS485, Meter / CT, DRM					
Display	LCD, Touch Key, App, Website					
Country Of Manufacture	China					
STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)						
Safety	EN/IEC 62109-1/2					
EMC	EN 61000-6-1/2/3/4					
Grid Regulation	AS/NZS-4777.2, CEI 0-21					



N SERIES

THREE-PHASE **INVERTER**



HIGH PERFORMANCE

Low start-up voltage, wide voltage range, 98.6% maximum efficiency.



EASY INSTALLATION

Flexible configuration, plug and play set-up.



IP65 RATED

Engineered to last with maximum flexibility. Suitable for outdoor installation.



REMOTE MONITORING

Monitor your system remotely via smartphone app or web portal.

REFINED – POWERFUL – FLEXIBLE

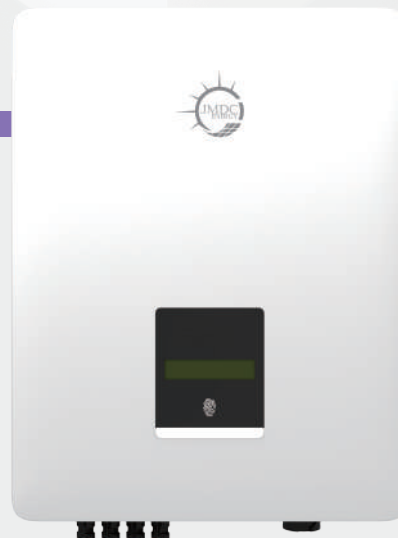
The N Series inverter range is aimed at three-phase domestic and small-scale commercial installations, offering unrivalled performance and versatility for increased yield potential and longer generation windows. The three-phase N Series inverter options range from 5kW to 25kW.

5kW ...>> 25kW



For more about the JMDC range of three-phase inverters, visit:

www.jmdcenergy.com



TECHNICAL SPECIFICATIONS

MODEL	JMDC NSK	JMDC N6K	JMDC N8K	JMDC N10K	JMDC N12K	JMDC N15K	JMDC N17K	JMDC N20K	JMDC N23K	JMDC N25K
INPUT (PV)										
Max. Input Power[W]	7500	9000	12000	15000	18000	22500	25500	30000	34500	37500
Max. Input Voltage[V]	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
Start-up Input Voltage[V]	140	140	140	140	140	140	140	140	140	140
Rated Input Voltage[V]	600	600	600	600	600	600	600	600	600	600
MPPT Operating Voltage Range[V]	140 ~ 1000	140 ~ 1000	140 ~ 1000	140 ~ 1000	140 ~ 1000	140 ~ 1000	140 ~ 1000	140 ~ 1000	140 ~ 1000	140 ~ 1000
Max. Input Current[A]	14	14	14	14	14	28	28	28	28	28
Max. Short-circuit Current[A]	18.2	18.2	18.2	18.2	18.2	36.4	36.4	36.4	36.4	36.4
No. of Independent MPP Trackers	2	2	2	2	2	2	2	2	2	2
No. of Strings per MPP Tracker	1+1	1+1	1+1	1+1	1+1	2+2	2+2	2+2	2+2	2+2
OUTPUT (AC)										
Rated Output Power[W]	5000	6000	8000	10000	12000	15000	17000	20000	23000	25000
Max. Output Apparent Power[VA]	5500	6600	8800	11000	13200	16500	18700	22000	25300	27500
Rated Grid Voltage[V]	3/N/PE, 220/380, 230/400, 240/415									
Rated Grid Frequency[Hz]	50/60									
Rated Output Current[A]	7.2	8.7	11.6	14.5	17.4	21.7	24.6	29.0	33.3	36.2
Max. Output Current[A]	8.0	9.6	12.8	15.9	19.1	23.9	27.1	31.9	36.7	39.9
Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)									
Total Harmonic Distortion [THDi] [%]	<3									
EFFICIENCY										
MPPT Efficiency [%]	99.8									
Euro Efficiency [%]	97.8									
Max. Efficiency [%]	98.6									
PROTECTION										
Insulation Monitoring	YES									
Residual Current Monitoring	YES									
PV String Current Monitoring	Yes					Optional				
DC Reverse Polarity Protection	YES									
Anti-islanding Protection	YES									
AC Short-circuit Protection	YES									
AC Overcurrent Protection	YES									
AC Overvoltage Protection	YES									
Surge Protection	DC/AC: Type II									
DC Switch	Optional									
AFCI	Optional									
GENERAL DATA										
Dimensions (W*H*D) [mm]	370*480*183.5									
Weight [kg]	17	17	17	17	17	20	20	20	21	21
Cooling Method	Natural Convection					Fan				
Topology	Transformerless									
Noise Emission (typical) [dB]	<30	<30	<30	<30	<30	<55	<55	<55	<55	<55
Max. Operating Altitude [m]	3000									
Operating Temperature Range [°C]	-25 ~ 60									
Humidity [%]	0 ~ 100 (No Condensation)									
Ingress Protection	IP65									
Internal Consumption at Night [W]	<3									
Monitoring Module	WIFI / 4G (Optional)									
Communication	RS485, Meter, DRM, Estop									
Display	LCD, Touch Key, App, Website									
STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)										
Safety	EN 62109-1/2, BIS IS 16169, BIS IS 16221-1/2									
EMC	EN 61000-6-1/2/3/4									
Grid Regulation	AS/NZS-4777.2, C10/11, EN50549-1, PN EN-50549-1, VDE-AR- N4105, RD 1699, CEI 0-21, NB/T 32004, VDE V 0126-1-1, UTE C 15-712-1									