

M2 2-in-1 Micro Inverter

M2 series 2in1 Micro Inverter, provides solution for residential scenario, covered from 0.6-1kW with 2 individual Mppts. Integrated with 4G/Lora/WiFi communication dongle, suitable for different scenario, up to 97% efficiency, and more hassel-free with easy installation and 60V DC safety.



M2-0.6K-S2 | M2-0.8K-S2 | M2-1K-S2









Back-Feed Current [A] 0 Overvoltage Category II Output Data (AC) III Maximum Output Power [VA] 600 800 1000 Nominal Output Current [A] 2.6 3.5 4.4 Rated AC Voltage/Range [V] L+N+PE, 220,230,240/180 ~ 280 4.4 Rated Output Frequency/Range [Hz] 50,60/45 ~ 55,55 ~ 65 5.0 Power Factor [cos φ] > 0.999 default, 0.8 leading ~ 0.8 lagging ~ 0.8 lagg	Model	M2-0.6K-S2	M2-0.8K-S2	M2-1K-S2	
Peak Power Tracking Voltage [V] 35 - 45 Operating Voltage Range [V] 16 - 55 Maximum Input Voltage [V] 60 Maximum Input Voltage [V] 16 × 2 Back-Feed Current [A] 0 Overvoltage Category III Output Data (AC) Maximum Output Power [VA] 600 800 1000 Nominal Output Current [A] 2.6 3.5 4.4 Rated AC Voltage/Range [V] L+N+PE, 220, 230, 240/180 - 280 Rated Output Frequency/Range [Pt2] \$0.00/45 - 55, 55 - 65 Power Factor [cos ф] > 0.09 default, 0.8 leading ~ 0.8 leaging O.8 leading ~ 0.8 leaging Overvoltage Category III 37 5 3 Efficiency 37 5 3 4 Maximum Units per 12AWG Branch 7 5 3 5 Efficiency 97.00% CEC Efficiency 96.50% 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 </td <td>Input Data (DC)</td> <td></td> <td></td> <td></td>	Input Data (DC)				
Operating Voltage Range IV 16 - 55 46 - 55 Maximum Input Voltage IV 60 40 Maximum Input Current [A] 16 x 2 16 x 2 Back-Feed Current [A] 0 0 Overvoltage Category III III Output Data (AC) Maximum Output Power [VA] 600 800 1000 Maximum Output Current [A] 2.6 3.5 4.4 Rated AC Voltage/Range [V] 1.5 + N=FE, 220.230, 240/180 - 280 Rated Output Frequency/Range [Hz] 50,60/45 - 55, 55 - 65 Power Factor [cos φ] 9.5 + O.99 default, 0.8 leading - 0.8 legging Overvoltage Category III Overvoltage Category III Overvoltage Category III Maximum Units per 12AWG Branch 7 5 3 STÉfficiency Peak Efficiency Peak Efficiency Peak Efficiency Peak Efficiency Operating Temperature Range A-0°C to +60°C (45°C to 60°C with deræting) Communication Will Flysub-1G/AG Cooling Method Anbient Humidity One Notes (dBA) One Notes (dBA	Recommended PV Module Power (STC) Range [Wp]	400 ~ 625+			
Maximum Input Voltage [V] 60 Maximum Input Current [A] 16 x 2 Back-Feed Current [A] 0 Overvoltage Category II Output Data (AC) Maximum Output Power [VA] 600 800 1000 Nominal Output Current [A] 2.6 3.5 4.4 Rated AC Voltage/Range [V] L=N=PE_220_30_240/180 ~ 280 4.4 Rated AC Voltage/Range [Hz] 55,60/45 ~ 55,55 ~ 65 5 Power Factor [cos q] \$5,60/45 ~ 55,55 ~ 65 5 Power Factor [cos q] 0.99 default, 0.8 leading ~ 0.8 leaging 0.8 leaging Overvoltage Category III 3 Total Harmonic Distortion [TH-DI] <3%	Peak Power Tracking Voltage [V]	35 ~ 45			
Maximum Input Current [A] 16 x 2 Back-Feed Current [A] 0 Overvoltage Category II Output Data (AC) Maximum Output Power [VA] 600 800 1000 Nominal Output Current [A] 2.6 3.5 4.4 Rated AC Voltage/Range [V] L+N+PE, 220,230,240/180 − 280 4.4 Rated AC Voltage/Range [Mz] 50,60/45 − 55,55 − 65 5.0 Power Factor [cos φ] 3.0 9.99 default, 08 leading − 0.8 lagging Overvoltage Category III 1.0	Operating Voltage Range [V]	16 ~ 55			
Back-Feed Current [A] 0 Overvoltage Category II Output Data (AC) II Maximum Output Power [VA] 600 800 1000 Nominal Output Current [A] 2.6 3.5 4.4 Rated AC Voltage/Range [V] L+N+PE, 220,230,240/180 - 280 4.4 Rated Output Frequency/Range [Hz] 50,66/45 - 55,55 - 65 5 Power Factor [cos ф] 3 0.99 default, 0.8 leading ~ 0.8 leaging	Maximum Input Voltage [V]	60			
Coveroltage Category II Output Data (AC) Maximum Output Power [VA] 600 800 1000 Nominal Output Current [A] 2.6 3.5 4.4 Rated AC Voltage/Range [V] L+N+PE, 220,230,240/180 ~ 280 4.4 Rated Output Frequency/Range [Hz] 50,60/45 ~ 55,55 ~ 65 7.2 Power Factor [cos ф] > 0.99 default, 0.8 leading ~ 0.8 lagging Overvoltage Category III <td>Maximum Input Current [A]</td> <td colspan="3">16 x 2</td>	Maximum Input Current [A]	16 x 2			
Notiput Data (AC) Maximum Output Power [VA] 600 800 1000 Nominal Output Current [A] 2.6 3.5 4.4 Rated AC Voltage/Range [V] L+N+PE, 220,230,240/180 ~ 280 4.4 Rated Output Frequency/Range [Hz] 50,66/45 ~ 55,55 ~ 65 5 Power Factor [cos φ] 9.099 default, 0.8 leading ~ 0.8 laggins 1.1 Overvoltage Category III 43% Maximum Units per 12AWG Branch 7 5 3 Efficiency Peak Efficiency 97.00% 1.1 1.1 Efficiency 97.00% 1.1 </td <td>Back-Feed Current [A]</td> <td colspan="3">0</td>	Back-Feed Current [A]	0			
Maximum Output Power [VA] 600 800 1000 Nominal Output Current [A] 2.6 3.5 4.4 Rated AC Voltage/Range [V] L+N+PE, 220,230,240/180 ~ 280	Overvoltage Category	11			
Nominal Output Current [A] 2.6 3.5 4.4 Rated AC Voltage/Range [V] L+N+PE, 220,230,240/180 ~ 280 1 Rated Output Frequency/Range [Hz] 50,60/45 ~ 55,55 ~ 65 1 Power Factor [cos φ] 0.99 default, 0.8 leading ~ 0.8 lagging 1 Overvoltage Category III	Output Data (AC)				
Rated AC Voltage/Range [V] L+N+PE, 220,230,240/180 ~ 280 Rated Output Frequency/Range [Hz] 50,60/45 ~ 55,55 ~ 65 Power Factor [cos φ] > 0.99 default, 0.8 leading ~ 0.8 lagging Overvoltage Category III Total Harmonic Distortion [THDI] <3%	Maximum Output Power [VA]	600	800	1000	
Rated Output Frequency/Range [Hz] 50,60/45 ~ 55,55 ~ 65 Power Factor [cos ф] > 0.99 default, 0.8 leading ~ 0.8 lagging Overvoltage Category III Total Harmonic Distortion [THDI] <3% Maximum Units per 12AWG Branch 7 5 3 Efficiency Peak Efficiency 97.00% CEC Efficiency 96.50% Mechanical Data Operating Temperature Range -40°C to +60°C (45°C to 60°C with derating) Communication Wi-Fi/Sub-1G/4G Cooling Method Natural Convection Ambient Humidity 0-100% Non-condensing Altitude[m] 2000 Noise [dBA] < 20 Ingress Protection IP67 Dimensions [W * H * D][mm] 252*172*36 Weight [kg] 2.9 Warranty [Year] EN62109-1/2, EN61000-6-1/2/3/4, EN50438, EN50549, C10/11, IEC62116, IEC61727, RD1699,	Nominal Output Current [A]	2.6	3.5	4.4	
Power Factor [cos φ] > 0.99 default, 0.8 leading ~ 0.8 lagging Overvoltage Category III Total Harmonic Distortion [THDi] <3%	Rated AC Voltage/Range [V]	L+N+PE, 220,230,240/180 ~ 280			
Overvoltage Category III Total Harmonic Distortion [THDI] <3%	Rated Output Frequency/Range [Hz]	50,60/45 ~ 55,55 ~ 65			
Total Harmonic Distortion [THDI] <3% Maximum Units per 12AWG Branch 7 5 3 Efficiency Peak Efficiency 97.00% CEC Efficiency 96.50% Mechanical Data Operating Temperature Range -40°C to +60°C (45°C to 60°C with derating) Communication Wi-Fi/Sub-1G/4G Cooling Method Natural Convection Ambient Humidity 0-100% Non-condensing Altitude[m] 2000 Noise [dBA] < 20 Ingress Protection IP67 Dimensions [W * H * D][mm] 252*172*36 Weight [kg] 2.9 Warranty [Year] 12 (standard), 25 (optional) Applicable Standard EN62109-1/2, EN61000-6-1/2/3/4, EN50438, EN50549, C10/11, IEC62116, IEC61727, RD1699,	Power Factor [cos φ]	> 0.99 default, 0.8 leading ~ 0.8 lagging			
Maximum Units per 12AWG Branch 7 5 3 Efficiency Peak Efficiency 97.00% CEC Efficiency 96.50% Mechanical Data Operating Temperature Range -40°C to +60°C (45°C to 60°C with derating) Communication Wi-Fi/Sub-1G/4G Cooling Method Natural Convection Ambient Humidity 0-100% Non-condensing Altitude[m] 2000 Noise [dBA] 1P67 Dimensions [W * H * D][mm] 252*172*36 Weight [kg] 2.9 Warranty [Year] 12 (standard), 25 (optional) Applicable Standard EN62109-1/2, EN61000-6-1/2/3/4, EN50438, EN50549, C10/11, IEC62116, IEC61727, RD1699,	Overvoltage Category	III			
Efficiency 97.00% CEC Efficiency 97.00% Mechanical Data Operating Temperature Range -40°C to +60°C (45°C to 60°C with derating) Communication Wi-Fi/Sub-1G/4G Cooling Method Natural Convection Ambient Humidity 0-100% Non-condensing Altitude[m] 2000 Noise [dBA] < 20 Ingress Protection IP67 Dimensions [W*H*D][mm] 252*172*36 Weight [kg] 2.9 Warranty [Year] 12 (standard), 25 (optional) Applicable Standard EN62109-1/2, EN61000-6-1/2/3/4, EN50438, EN50549, C10/11, IEC62116, IEC61727, RD1699,	Total Harmonic Distortion [THDi]	<3%			
Peak Efficiency 97.00% CEC Efficiency 96.50% Mechanical Data Winerplant of the programment of t	Maximum Units per 12AWG Branch	7	5	3	
CEC Efficiency 96.50% Mechanical Data Operating Temperature Range -40°C to +60°C (45°C to 60°C with derating) Communication Wi-Fi/Sub-1G/4G Cooling Method Natural Convection Ambient Humidity 0-100% Non-condensing Altitude[m] 2000 Noise [dBA] < 20	Efficiency				
Mechanical Data Operating Temperature Range -40°C to +60°C (45°C to 60°C with derating) Communication Wi-Fi/Sub-1G/4G Cooling Method Natural Convection Ambient Humidity 0-100% Non-condensing Altitude[m] 2000 Noise [dBA] < 20	Peak Efficiency	97.00%			
Operating Temperature Range -40°C to +60°C (45°C to 60°C with derating) Communication Wi-Fi/Sub-1G/4G Cooling Method Natural Convection Ambient Humidity 0-100% Non-condensing Altitude[m] 2000 Noise [dBA] 200 Ingress Protection IP67 Dimensions [W * H * D][mm] 252*172*36 Weight [kg] 2.9 Warranty [Year] 12 (standard), 25 (optional) Applicable Standard EN62109-1/2, EN61000-6-1/2/3/4, EN50438, EN50549, C10/11, IEC62116, IEC61727, RD1699,	CEC Efficiency	96.50%			
Communication Wi-Fi/Sub-1G/4G Cooling Method Natural Convection Ambient Humidity 0-100% Non-condensing Altitude[m] 2000 Noise [dBA] < 20	Mechanical Data				
Cooling Method Natural Convection Ambient Humidity 0-100% Non-condensing Altitude[m] 2000 Noise [dBA] < 20	Operating Temperature Range	-40°C to +60°C (45°C to 60°C with derating)			
Ambient Humidity 0-100% Non-condensing Altitude[m] 2000 Noise [dBA] < 20	Communication	Wi-Fi/Sub-1G/4G			
Altitude[m] 2000 Noise [dBA] < 20 Ingress Protection IP67 Dimensions [W*H*D][mm] 252*172*36 Weight [kg] 2.9 Warranty [Year] 12 (standard), 25 (optional) Applicable Standard EN62109-1/2, EN61000-6-1/2/3/4, EN50438, EN50549, C10/11, IEC62116, IEC61727, RD1699,	Cooling Method	Natural Convection			
Noise [dBA] < 20	Ambient Humidity	0-100% Non-condensing			
Ingress Protection IP67 Dimensions [W * H * D][mm] 252*172*36 Weight [kg] 2.9 Warranty [Year] 12 (standard), 25 (optional) Applicable Standard EN62109-1/2, EN61000-6-1/2/3/4, EN50438, EN50549, C10/11, IEC62116, IEC61727, RD1699,	Altitude[m]	2000			
Dimensions [W * H * D][mm] 252*172*36 Weight [kg] 2.9 Warranty [Year] 12 (standard), 25 (optional) Applicable Standard EN62109-1/2, EN61000-6-1/2/3/4, EN50438, EN50549, C10/11, IEC62116, IEC61727, RD1699,	Noise [dBA]	< 20			
Weight [kg] 2.9 Warranty [Year] 12 (standard), 25 (optional) Applicable Standard EN62109-1/2, EN61000-6-1/2/3/4, EN50438, EN50549, C10/11, IEC62116, IEC61727, RD1699,	Ingress Protection	IP67			
Warranty [Year] 12 (standard), 25 (optional) Applicable Standard EN62109-1/2, EN61000-6-1/2/3/4, EN50438, EN50549, C10/11, IEC62116, IEC61727, RD1699,	Dimensions [W * H * D][mm]	252*172*36			
Applicable Standard EN62109-1/2, EN61000-6-1/2/3/4, EN50438, EN50549, C10/11, IEC62116, IEC61727, RD1699,	Weight [kg]	2.9			
LN02107-172, LN01000-0-172/3/4, LN30430, LN30347, C10/11, 1LC02110, 1LC01727, ND1077,	Warranty [Year]	12 (standard), 25 (optional)			
	Applicable Standard				