

## MICRO-INVERTERS

2015/8/12	MIG-240	MIG-300	MIG-320	MIG-660
<b>INPUT FROM PV (DC)</b>				
Number of Panels Connectable	One	One	One	Two
Nominal Power (STC) of Each Panel	240 W	300 W	320 W	330 W
Recommended Panel Power Range (STC)	150-300 W	180-330 W	200-350 W	200-350 W
Maximum Panel Voltage	60 V	60 V	60 V	60 V
Operating Voltage Range	24-60 V	24-60 V	22-60 V	22-60 V
MPPT Voltage Range	24-40 V	24-40 V	24-45 V	24-45 V
Maximum Current per Panel	12 A	12 A	12 A	12 A
<b>OUTPUT DATA (AC)</b>				
Nominal Continuous Power Rating	220 W	250 W	270 W	560 W
Frequency Range* Limits at 50 / 60 Hz	47-53 / 57-63 Hz	47-53 / 57-63 Hz	47-53 / 57-63 Hz	47-53 / 57-63 Hz
Power factor	> 0.95	> 0.95	> 0.99	> 0.99
Total Harmonic Distortion	< 4%	< 4%	< 2%	< 2%
Nominal Voltage Range* and Current				
@ 208 V Range 184-228 V	1.06 A	1.20 A	1.30 A	2.69 A
@ 220 V Range 198-242 V	1.00 A	1.14 A	1.23 A	2.55 A
@ 240 V Range 211-264 V	0.92 A	1.04 A	1.13 A	2.33 A
@ 277 V Range 244-304 V	--	--	0.97 A	2.02 A
Maximum Units per 20 / 30 A Branch Circuit				
@ 208 V	15 units / 22 units	13 units / 19 units	12 units / 18 units	5 units / 8 units
@ 220 V	16 units / 24 units	14 units / 21 units	13 units / 19 units	6 units / 9 units
@ 240 V	17 units / 26 units	15 units / 23 units	14 units / 21 units	6 units / 10 units
@ 277 V	--	--	16 units / 24 units	7 units / 11 units
<b>EFFICIENCY</b>				
Peak Efficiency	95.8%	95.8%	96.0%	96.0%
CEC Weighted Efficiency	95.0%	95.0%	95.5%	95.5%
Nominal Static MPPT Efficiency	>99%	>99%	>99.5%	>99.5%
<b>MECHANICAL &amp; ELECTRICAL</b>				
Communication Type	--	PLC	ZigBee or RS-485	ZigBee or RS-485
3-Phase Configuration	WYE link	WYE link	WYE link	WYE link
Night time power consumption	< 89 mW	< 89 mW	<20 mW	<40 mW
Operating Temperature Range (Ambient)	-40 to 65 °C	-40 to 65 °C	-40 to 65 °C	-40 to 65 °C
Operating Temperature Range (Internal)	-40 to 85 °C	-40 to 85 °C	-40 to 85 °C	-40 to 85 °C
Weather-Proof Rating	NEMA 6 or IP67	NEMA 6 or IP67	NEMA 6 or IP67	NEMA 6 or IP67
Dimensions LxWxH (excl. cables or connectors)	220x130x37 mm	220x130x37 mm	222x196x32 mm	370x170x32 mm
Weight	2.5 kg	2.5 kg	1.2 kg	2.0 kg
<b>WARRANTY AND COMPLIANCE</b>				
Warranty	10 years	10 years	10 years	10 years
Safety Class Certification	UL 1741	UL 1741	UL 1741	UL 1741
Emissions & Immunity (EMC)	FCC Part 15, Class B	FCC Part 15, Class B	FCC Part 15, Class B	FCC Part 15, Class B
Grid Connection	IEEE 1547	IEEE 1547	IEEE 1547	IEEE 1547

\* Range programmable per customer request or local regulation

