

# Micro-Inverter

## Technical Data

Type		INV250-45	INV350-60	INV350-80	INV500-80
<b>Input</b>	Maximum PV power	250W	350W	350W	500W
	Maximum DC voltage	45V	60V	80V	80V
	Min./Max. start voltage	18V / 45V	18V / 60V	36V / 80V	40V / 80V
	MPPT range	20V ... 40V	20V ... 50V	40V ... 70V	40V ... 70V
	Maximum DC current	11A	11A	6.5A	9A
<b>Output</b>	Maximum AC Power	240W	330W	330W	480W
	Nominal Current	1.0A	1.4A	1.4A	2.1A
	Power factor	> 0.99	> 0.99	> 0.99	> 0.99
<b>Efficiency</b>	Peak inverter efficiency	93.5%	93.5%	95.0%	95.0%
	CEC efficiency	92.6%	92.3%	94.0%	93.2%
	Nominal MPP efficiency	99.8%	99.8%	99.8%	99.8%
<b>50Hz-Version (EU)</b>	Nominal AC voltage	230V	230V	230V	230V
	Nom. AC voltage range	184V ... 264V	184V ... 264V	184V ... 264V	184V ... 264V
	Frequency	50.0Hz			
	Frequency range	47.5Hz ... 51.5Hz			
	Productsafety* EMC	IEC 62103:2003, IEC 62109-1:2010, IEC 55011B, EN 50178:1997 EN 61000-6-2, EN 61000-6-3			
<b>60Hz-Version (US)</b>	Nominal AC voltage	208V or 240V	208V or 240V	208V or 240V	208V or 240V
	Nom. AC voltage range	184V ... 264V	184V ... 264V	184V ... 264V	184V ... 264V
	Frequency	60Hz			
	Frequency range	59.5Hz ... 60.3Hz			
	Productsafety* EMC	UL 1741:2010, IEEE 1547:2003, CSA C22.2 FCC Part 15 Class B			
<b>Mechanical Data</b>	Weight	2.5kg			
	Operating Temperature	-25°C ... +70°C			
	Cooling	Natural convection			
	Night time power consumption	30mW			
	Max. altitude a.s.l. Safety class	2000m Class I			
<b>Housing</b>	Dimensions	314mm x 267mm x 66.5mm (BxHxT)			
	Protection Degree	IP65 (50Hz-Version) / NEMA 4 (60Hz-Version)			
	Enclosure material	Aluminum			
<b>Features</b>	MSD / (Mains monitoring)	integrated (corresponds VDE AR-N 4105)			
	Communication Versions	Powerline / RS-485 / No Com			



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\*Various country versions available and OEM versions on request.