e-peas semiconductors

		AEM10941	AEM10330	AEM10920	AEM10300	AEM10900 AEM10901	AEM00920	AEM00940 AEM00941	AEM00330	AEM00300	AEM00900 AEM00901	AEM30940	AEM30330	AEM30300	AEM20941	AEM13920	AEM13921	AEM15820
ENERGY HARVESTER SOURCE	Indoor / Outdoor PV Cell																	
	Thermo Electric Generator																	
	RF Antenna																	
	Vibration Transducer																	
	Pulse Generator																	
	Source Voltage Range	50mV to 4.5V	100mV to 4.5V	120mV to 4.35V	100mV to 4.5V	120mV to 2.73V	250mV to 3.2V	50mV to 4.5V	140mV to 4.5V	140mV to 4.5V	120mV to 2.73V	50mV to 4.5V	100mV to 4.5V	100mV to 4.5V	80mV to 3.5V	120mV to 4.59	120mV to 4.59V	300mV to 4.34V
SPECIAL PURPOSE INPUTS	Harvester Inputs	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Dual	Dual	Single
	Primary Battery Input																	
	5 V input for Quick Charge																	
STORAGE ELEMENT PROTECTIONS	GPIO Configurations	7 presets	15 presets	4 presets	15 presets	8 presets	4 presets	7 presets	15 presets	15 presets	8 presets	7 presets	15 presets	15 presets	7 presets	8 presets	8 presets	8 presets
	Storage Voltage Range	0V to 4.5V	0V to 4.65V	2.5V to 4.35V	0V to 4.65V	2.5V to 4.8V	2.5V to 4.35V	0V to 4.5V	0V to 4.65V	0V to 4.65V	2.5V to 4.8V	0V to 4.5V	0V to 4.65V	0V to 4.65V	0V to 4.5V	2.4V to 4.59V	2.40V to 4.59V	2.40V to 4.59V
	Custom Mode	External resistors	External resistors	External resistors	External resistors	I²C	External resistors	External resistors	External resistors	External resistors	I²C	External resistors	External resistors	External resistors		I²C	I²C	I²C
	Temperature Protection																	
LOAD SUPPLY	Converter Type	2 LDOs	1 Buck/ Boost	1 Buck			1 Buck	2 LDOs	1 Buck/ Boost			2 LDOs	1 Buck/ Boost		2 LDOs	1 Buck	1 Buck	1 Buck
	Load Voltage Configuration	7 presets	4 presets	3 presets			3 presets	7 presets	4 presets			7 presets	4 presets		7 presets	7 presets	7 presets	7 presets
	Load Voltage Range	1.2V - 4.1V	1.2V - 3.3V	2.2V - 2.8V			2.2V - 2.8V	1.2V - 4.1V	1.2V - 3.3V			1.2V - 4.1V	1.2V - 3.3V		1.2V - 3.3V	0.6V - 2.5V	0.6V – 3.3V	0.6V – 3.3V
MPPT MODE	Open-voltage Ratio																	
	Fixed Voltage																	
CONFIGURATION	I2C Interface																	
	GPIO																	
ADVANCED FEATURES	Average Power Monitoring																	
	Shipping Mode																	
TEMPERATURE RANGE	Industrial (-40°+85°C)																	
PACKAGING	Type / Body Size	QFN 28 5x5mm	QFN 40 5x5mm	QFN 24 4x4mm	QFN 28 4x4mm	QFN 28 4x4mm	QFN 24 4x4mm	QFN 28 5x5mm	QFN 40 5x5mm	QFN 28 4x4mm	QFN 28 4x4mm	QFN 28 5x5mm	QFN 40 5x5mm	QFN 28 4x4mm	QFN 28 4x4mm	QFN 40 5x5mm	QFN 40 5x5mm	QFN 40 5x5mm
						WLCSP16 2x2mm AEM10900 only		QFN 28 4x4mm										