## SMA REVENUE GRADE METER KIT





### Accurate and versatile

- ANSI C12.20 revenue grade energy production monitoring provides a high level of accuracy
- Measures active, reactive and apparent power as well as grid voltage and frequency

### Perfect alignment

- Designed for integration with Power+ Solution
- Ultra-compact DIN rail mounted meter kit mounts inside the Sunny Boy inverter

### Plug-and-play

- Prewired and preassembled kit reduces installation time
- Quick and easy setup

# **SMA REVENUE GRADE METER KIT**

Simple integration with extreme accuracy

SMA Revenue Grade Meter Kit is a revenue-grade energy meter designed for monitoring Sunny Boy inverter production with a 0.5% degree of accuracy. Its compact size and plug-and-play design allow it to be easily and quickly installed inside the Sunny Boy inverter. It collects a wide array of energy data which is either stored locally in the inverter or uploaded to the Sunny Portal allowing both system installers and owners to efficiently manage solar assets. It is designed to operate in unison with either the SMA Cellular LTE Modem Kit or the SMA RS485 Module.

Command   Comm	Technical data	Revenue Grade Meter Kit
Compatible inverter models Compatible inverter models ANSC 12.70 microarremone concrory O.5% Coperating voltage groups 1.00, 277 V.C. AC Sequency orange 1.00, 277 V.C. Collega young and Section of Collega young and Sect		RGM05KIT-US-10
Comparison interfaces		ON SILIPST V VAS VIMS
ANSI CI 20 measurement accuracy   0.3%	•	
120-277 V AC	•	
AS - 65 Nz	,	
Read CT correct Weststreamed collegacy Grids supported, singlie phose 2 wine Prover examingtion (typ.) Demoissible (HVMO)  Weight  Temorubus range (percenting) Temorubus range (percenting) Temorubus range (percenting) Temorubus range (percenting) Tracellari and tracellari ana		
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Power consumption (type   100 x 100 x 80 mm / (3.94 x 3.94 x 3.35 m)	- · · · · · · · · · · · · · · · · · · ·	ŭ /
Dimensions   H-WAD    100 x 100 x 85 mm / 13.9 x 3.9 x 3.3 5 in     Weight		
Weight	,	$100 \times 100 \times 85 \text{ mm} / (3.94 \times 3.94 \times 3.35 \text{ in})$
Temperature range (spearturing)		
Temperature range (shandly)	•	<b>v</b> ,
S to 95%		·
New   No.	• • • • • • • • • • • • • • • • • • • •	5 to 95%
Mounting types   Silvand (Included in kel)	• •	NEMA 1 (IP40)
Supported communication interfaces   Compliance	Mounting type	DIN rail (included in kit)
Sofiaty   IEC 61010.2.030.2010   1st Edition), U. Set 61010.1.2012 (3rd Edition), Rev. July 15, 2015, CAN/CSA.C22.2.# c. 1010.1.3, Rev. July 15, 2015   EMC   IEC 61202.1.1.2012   t.d. 2 (1010.0.3.2. tec. 61000.0.4.3, IEC 61000.4.5), IEC 61000.4.5, IEC 61000.4		5 years
Sofiaty   IEC 61010.2.030.2010   1st Edition), U. Set 61010.1.2012 (3rd Edition), Rev. July 15, 2015, CAN/CSA.C22.2.# c. 1010.1.3, Rev. July 15, 2015   EMC   IEC 61202.1.1.2012   t.d. 2 (1010.0.3.2. tec. 61000.0.4.3, IEC 61000.4.5), IEC 61000.4.5, IEC 61000.4	,	,
Surface   Surf		
IEC of 1284   IgO 12   IEE ( of 1000-32, IEC of 1000-32, IEC of 1000-42, IEC of 1000-44, IEC	•	
EC 6100044, IEC 6100045, IEC 6100045, IEC 6100045, IEC 610004, I	•	CAN/CSA C22.2 # 61010.1 (3rd Edition), Rev. July 15, 2015
Emissions  FCC Part 15 Class B / CSPR 11 Group 1 Class B  Revenue metering ANSIC 12 20, Class D. S  Communications SumSpec Alliance certified Other Retained accessories Required accessories CELLMODKITUS 10 or MD 485 US 40  Purchase separately	EMC	
Revenue metering Communications SunSpec Allionac certified Other Reht's Open Interview Repaired accessories CELIMODKITUS-10 or MD 485-US-40  Repaired accessories Repaired access	Emissions	
Communications Other Regular decessories Regular decessories CELLIMODKIT-US-10 or MD.485-US-40  SunSpec Allinonc certified Meter type Measurlogic DTS 307  Required accessories CELLIMODKIT-US-10 or MD.485-US-40  Purchase separately		
Other Required accessories  CELIMODKIT-US-10 or MD_485-US-40  Purchase separately  Road Scanding and Scanding	•	
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Required accessories CELLMODKIT-US-10 or MD.485-US-40 Purchase separately  Purchase separately		
CELLMODKIT-US-10 or MD.485-US-40  Purchase separately  Purchase separately		3
	•	Purchase separately
Type designation RGMOSKITUS-10		
Type designation RGMOSKIT-US-10		
Type designation RGM0SKIT-US-10		
Type designation RGMOSKITUS-10		
Type designation RGM05KITUS 10		
Type designation RGM05KITUS10		
Type designation RGM05KIT-US-10		
Type designation RGM05KII-US-10	T	DOLLOSIATION
	Type designation	KGMU5KII-U5-10