

Export Power Control for North America

Solis hybrid inverters include energy meters and CTs in the box with the inverters. Export power control can be done without the need of any additional equipment. Grid-tied only inverters do require the purchase and installation of additional components as outlined below.

Residential 240VAC Inverters Split-Phase Inverters

Residential systems with only one inverter require installation of the Acrel AGF-AE-D/200 energy meter with CTs. The meter connects directly to the inverter two-pin meter port (RS485) allowing the user to set a export power limit. Systems with multiple inverters require the installation of both the Acrel AGF-AE-D/200 energy meter with CTs and the Solis EPM3-5G-PRO export power manager.

Solis Inverter Series Supported: Solis-1P(3.6-10)K-4G-US

Kit Type	Part Number for Ordering
Single Unit Kit	AGF-AE-D/200(2PIN)
Multi-Unit Kit	EPM3-PRO+SP200+WIFI



Single-Unit System Kit Includes:

1. Acrel AGF-AE-D/200 energy meter
2. Split-core CTs x2
3. 2-pin connector

Multi-Unit System Kit Includes:

1. EPM3-5G-PRO
2. Acrel AGF-AE-D/200 meter
3. Split-core CTs x2
4. 2-pin connector x2
5. 4-pin connector x5

Solis-1P(3.6-10)K-4G-US Manual



Solis EPM3-5G-PRO Manual



Acrel AGF-AE-D/200 Manual

Commercial 480VAC and 208VAC 3-Phase Inverters

Commercial systems regardless of the number of inverters in the system require installation of the Acrel ADL 3000 energy meter with CTs. The meter connects directly to the EPM which then connects to the inverter meter pins allowing the user to set a export power limit.

Solis Inverter Series Supported: S6-GC(25-60)K-US, S5-GC(75-125)K-US, S6-GC30K-LV-US, S5-GC60K-LV-US

Part Number for Ordering
EPM3-5G-PRO



Acrel ADL 3000 Manual



Solis S6-GC(25-60)K-US Manual



Solis S6-GC30K-LV-US Manual



Solis S5-GC60K-LV-US Manual



S5-GC(75-125)K-US Manual

Export Power Control Kit Includes:

1. EPM3-5G-PRO
2. Acrel ADL 3000 energy meter
3. 2-pin connector x2
4. 4-pin connector x5

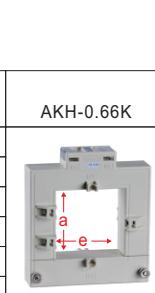
Note: CTs must be purchased separately

Compatible CTs: Acrel AKH-0.66K

CT Model Number	Dimensions(mm) W x H x D	Hole size(mm) a x e	CT Ratio	AKH-0.66K
CT-30x20-100A	90 x 114 x 40	22 x 32	100:5A	
CT-60x40-300A	114 x 140 x 36	42 x 62	300:5A	
CT-80x40-600A	122 x 162 x 40	42 x 82	600:5A	
CT-80x40-1000A	122 x 162 x 40	42 x 82	1000:5A	
CT-160x80-2000A	184 x 254 x 52	82 x 162	2000:5A	
CT-160x80-3000A	184 x 254 x 52	82 x 162	3000:5A	



Acrel AKH CT Manual



Solis recommends customers to purchase suitable current transformers from local suppliers according to the max possible current in different projects.

As long as the secondary current is 5A, no matter what the primary current is, it will not affect the warranty of the EPM devices and inverters.

Commercial 600VAC Systems, Systems with 10+ Inverters, and Systems Requiring Third-Party System Monitoring

Solis recommends installing the FOMware SE-A3 or SE-A4 export power control solution. Please scan the QR code below for additional details. These kits come with everything needed for export power control and monitoring including the gateway and CTs.



FOMware SE-A3



FOMware SE-A4