

Smart Energy Manager

- System self-consumption monitoring
- Export limitation for commercial projects
- Support online monitoring and online service
- Flexible CTs for different project size
- RS485 and Ethernet connection



P O W E R
- I N G O
T O M O -
R R O W O



Datasheet	Smart Energy Manager				
System Size	100KW	300KW	600KW	1MW	2MW
Meter data					
Normal voltage	230/400Vac	230/400Vac	230/400Vac	230/400Vac	230/400Vac
Voltage range	100-264Vac	100-264Vac	100-264Vac	100-264Vac	100-264Vac
Grid connection	3W/N/PE	3W/N/PE	3W/N/PE	3W/N/PE	3W/N/PE
Normal frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Frequency range	47~55Hz/55-63 Hz	47~55Hz/55-63 Hz	47~55Hz/55-63 Hz	47~55Hz/55-63 Hz	47~55Hz/55-63 Hz
CT data					
Max. input current (CT sencond side)	5A	5A	5A	5A	5A
Max.current (CT detection)	250A	600A	1200A	2000A	4000A
Accuracy (@ rated CT current)	0.5	0.5	0.5	0.5	0.2
Communication					
RS485	Yes	Yes	Yes	Yes	Yes
Ethernet	Yes	Yes	Yes	Yes	Yes
Max.inverter number	32	32	32	32	32
Communication distance	RS485: 500m Internet cable: 100m	RS485: 500m Internet cable: 100m	RS485: 500m Internet cable: 100m	RS485: 500m Internet cable: 100m	RS485: 500m Internet cable: 100m
General Data					
Dimensions (W/H/D) in mm	350/330/107	350/330/107	350/330/107	350/330/107	350/330/107
Weight	6.7kg	6.7kg	6.7kg	6.7kg	6.7kg
Operation temperature range	-25°C ... +55°C	-25°C ... +55°C	-25°C ... +55°C	-25°C ... +55°C	-25°C ... +55°C
Cooling concept	Natural Cooling	Natural Cooling	Natural Cooling	Natural Cooling	Natural Cooling
Environmental Protection Rating	IP65	IP65	IP65	IP65	IP65
Relative humidity	0~100%	0~100%	0~100%	0~100%	0~100%
Altitude	2000m	2000m	2000m	2000m	2000m
CE					