

Smart Energy Manager (SEM-D)

- 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
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Datasheet	Smart Energy Manager (SEM-D)				
System Size	200kW	500kW	1MW	1.5MW	3MW
Meter data					
Normal voltage	277/480Vac				
Voltage range(L-L)	180-540Vac				
Grid connection	3W+PE				
Normal frequency	50/60 Hz				
Frequency range	45–55Hz/55-65 Hz				
CT data					
Max. input current (CT second side)	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				
Ethernet	Yes				
Max.inverter number	32				
Communication distance	Rs485: 500m Internet cable: 100m				
General Data					
Dimensions (W/H/D)	350/330/107mm				
Weight	6kg				
Operation temperature range	–25°C ... +60°C				
Cooling concept	Natural Cooling				
Environmental Protection Rating	IP65				
Relative humidity	0~100%				
Altitude	2000m				
CE					