



# Sileaf

Innovation In Pursuit Of Excellence

## SolGrid

SOLAR-GRID-DG CONTROLLER

### FEATURES

- Communicates with multiple DGs (up to 4 Nos)
- No limit on DG capacity
- Reports DG start, stop and loading percentages logs
- Calculates reverse power loss
- SMS and e-mail alerts
- Ability to calculate NOD (Non Operating Day)
- Communicates with MFM (Multi Function Meter) models
- Remote monitoring of plant performance from across the globe
- Enables to monitor Grid and DG side electrical parameters for performance improvement
- Micro management of solar power plant at every stage
- Weather station interface available
- Can interact with multiple inverters

### KEY ADVANTAGES

- Synchronizes solar with DG
- Maximum fuel saving for solar DG systems
- Prevents reverse power flow into Grid and DG
- Best in class monitoring system
- Linear power control, maximizes solar generation
- Compatible with all makes of inverters
- Three-in-one solution
- Review and compare the performance of the plant from anywhere
- Real time monitoring and logging of parameters
- Local and server data storage for > 5 years



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APPLICATIONS
Monitoring of all types of Solar Power Plants
Reverse power (grid feeding) control
Diesel Generator synchronization
UPS synchronization

VARIANTS FOR SOLGRID	
MODEL VARIANTS	RATING
SGD0015C	1-15KW
SGD1650C	16-50KW
SGD51200C	51-200KW
SGD2011000	201-1000KW

## TECHNICAL DATASHEET

COMMUNICATION	
Inverter communication	2×RS-485ports, 10/100Mbit Ethernet, 4×USB, 4×Terminal sensor i/o, 8×Terminal Relay i/o, SD card, GSM, GPRS, LAN
PC - communication	10/100Mbit Ethernet
Compatibility with Inverters	All
Max. nos. of inverters interfaced	40Nos
Recommended max. system size	1MWp
Modem	Analog(optional)/GSM(Optional)
Software Configuration	Flexible and easy interface
Power Supply	
Power Supply Output	External Plug - in DC power supply 12V/2A
Power Supply Input	190-260V, 50Hz
Environmental Conditions in Operation	
Ambient Temperature	-20° to +65° C
Relative air humidity	5%-100%, non-condensing
Max. height above sea level	3000mtr
General Data	
Protection mode	IP20
Installation type	Indoor
Status Display	LEDs
Languages	English
Dimensions(L/W/H)	160mm/110mm/55mm
Weight	0.35 Kg

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