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HOMERAY Optitronics

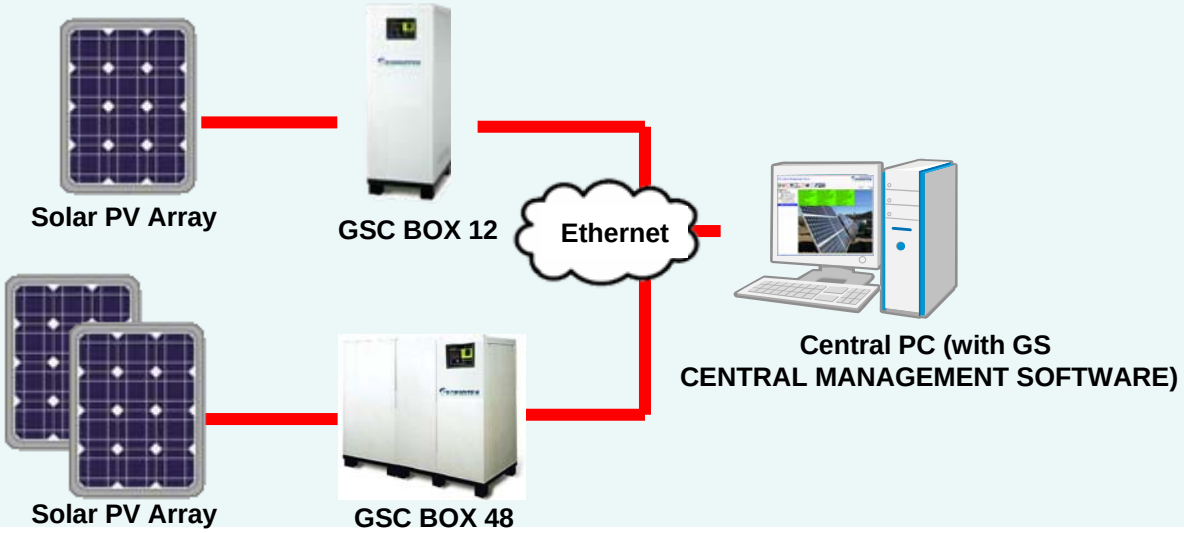
GEOPROTEK SOLAR CENTRAL BOX

Grid-Tie Solar Inverter, Three Phase, 60Hz
10kW~48kW, 96 efficiency, Touch LCD

GEO SOLAR CENTRAL BOX integrated high efficiencies solar inverter for large PV project. A completely new user interface features a large touch screen LCD panel that provides a graphical view of the daily plant production as well as the status of the inverter and the utility grid. With the optional GS CENTRAL MANAGEMENT SOFTWARE, users can now choose Ethernet based communications on central PC. Designed for easy installation, operation and performance monitoring, the new GEO SOLAR CENTRAL BOX is the ideal choice for your large scale PV plant.

Solar PV Array **GS CENTRAL BOX** **Utility Grid**

Specification:

	GSC BOX 10	GSC BOX 12	GSC BOX 24	GSC BOX 48
Nominal AC output power	10 kW	12 kW	24 kW	48 kW
Nominal AC Voltage	3 phase 230Vac	3 phase 230Vac	3 phase 230Vac	3 phase 230Vac
AC Frequency	50/60Hz, auto selection	50/60Hz, auto selection	50/60Hz, auto selection	50/60Hz, auto selection
DC Maximum Voltage	500V	500V	500V	500V
DC Maximum Input Current	45A	60A	120A	240A
MPPT voltage range	150 to 500Vdc ± 5%	150 to 500Vdc ± 5%	150 to 500Vdc ± 5%	150 to 500Vdc ± 5%
DC voltage ripple	< 10%	< 10%	< 10%	< 10%
O/P current distortion	THD<5%, each harmonics<3%	THD<5%, each harmonics<3%	THD<5%, each harmonics<3%	THD<5%, each harmonics<3%
Power Factor	>0.99	>0.99	>0.99	>0.99
Initial feeding voltage	150V± 5%	150V± 5%	150V± 5%	150V± 5%
Peak Efficiency	96.2%	96.2%	96.2%	96.2%
CEC Weighted Efficiency	96%	96%	96%	96%
Operating Temperature	-25 to 55 ˚C	-25 to 55 ˚C	-25 to 55 ˚C	-25 to 55 ˚C
Cooling	Variable-speed forced air	Variable-speed forced air	Variable-speed forced air	Variable-speed forced air
Dimension W x H x D in cm	134 x 65 x55	134 x 85 x55	200 x 85 x55	200 x 170 x55

Optional: GS CENTRAL MANAGEMENT SERVER