

SIBERT Solar

Export Management System
EMS®



What we have is a semi-standardised, inverter-agnostic offering that utilises the excellent features of the Solar-Log power-management solution, yet satisfies the DNO that a backup is in place in case that fails. The enclosure incorporates a Test/Reset keyswitch to enable a degree of manual/test functionality on site, if required. Some DNOs insist on a secondary current injection test on the failsafe though, which we can provide via a 3rd party test company if required (although not required under G100 for LV connected limitation schemes).

At no point is the G99 compliance of the inverters/system compromised and there is no aspect of AC sine-wave manipulation or load-shedding etc. That said, the SolarLog platform does allow scope for smart energy/load-management control upgrades if required/applicable.

The unit is completely pre-assembled and wired in-house here, and we encourage dialogue on applicable projects at as early a stage as possible in the design process – to discuss required comms cable runs, and CT-clamp requirements etc.

I've detailed the standard pricing below for both primary variants (A & B), for various size systems, for monitoring connection via hard-wired LAN (standard) although an external 3G/LTE modem/router can be provided if required. Additional ancillary costs will be incurred for (typically) 6pcs split CT-clamps (mains incomer protection rating and OD size of phase cables needs to be determined) and any applicable contactors used for fail-safe shutdown of inverters (Type-A variant). Inhibiting a G99 relay enclosure in the system (Type-B variant) requires only signal cabling between the EMS and G99 enclosure.

PV30-954	Sibert Solar EMS Light, Type-A, <100kWp, SLBase100, PRO380CT, DMED310T2 + EXM1001	£2,055.00
PV30-955	Sibert Solar EMS Light, Type-B, <100kWp, SLBase100, PRO380CT, DMED310T2 + EXM1001	£2,055.00
PV30-958	Sibert Solar EMS, Type-A, <2MWp, SLBase2000, PRO380CT, DMED310T2 + EXM1001	£2,375.00
PV30-959	Sibert Solar EMS, Type-B, <2MWp, SLBase2000, PRO380CT, DMED310T2 + EXM1001	£2,375.00

General Site Installation Requirements:

- 1ph supply (LN&E) to power up the EMS, 6A MCB fitted in EMS
- 3ph voltage reference (L1, L2 & L3), 10A fused terminals fitted in EMS
- RS485/RS422 data cabling from inverter(s) to EMS (preferably screened/shielded Cat5e SSTP or Cat6 SSTP, or SWA UTP)
- LAN connection for Solar-Log online monitoring
- EMS to be installed close to the main incoming supply, to keep CT clamp cable lengths relatively short if possible
- Fail-safe output from EMS to contactor(s) or G99 panel

Our one-day on-site setup and commissioning service is charged at £500 per system plus mileage to/from base to site @ £0.45/mile. If overnight accommodation and/or flights are required then they will be charged extra.

All hardware is password protected during the commissioning process, and a Commissioning Record is then provided to you/the DNO on completion. Each EMS unit is individually serialised too. Lastly, our solution has been installed in over 80 systems throughout the UK and abroad, and compliance with ER G100 has been designed-in from initial conception.

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