



Notes:
 Installation, Earthing, and bonding needs to comply with the latest version of the SANS 10142-1 and listed normative references and product specifications e.g.. SANS 60364-7-712
 Systems with micro-inverters or power optimisers may have different wiring to that indicated in this drawing

Legend:	
Utility electrical meter	M
Circuit breaker (CB)	
AC rated Surge Arrestor	
Single Phase indicator	
Earth leakage (EL)	
2 (two) Pole	2P
PV module	
DC rated fuse	
DC rated Isolator	
DC rated Surge Arrestor	
Earth connected symbol	
Inverter symbol	
Change Over Switch	
Back - up Generator	
No inter connection	

REVISION:	Version 01	DATE:		PROJECT NAME:			SHEET
Municipal Embedded Generation Support Program Template A set of drawings showing acceptable layouts for a range of different systems www.sseg.org.za		EDITOR:		Small Scale Embedded Generator PV and back-up generator		1	
		INSTALLER:					
		SIGNOFF:		Description: Grid Tied with back-up Generator - All loads Single phase	SCALE N/A	OF 1	
		PRINT NAME:					