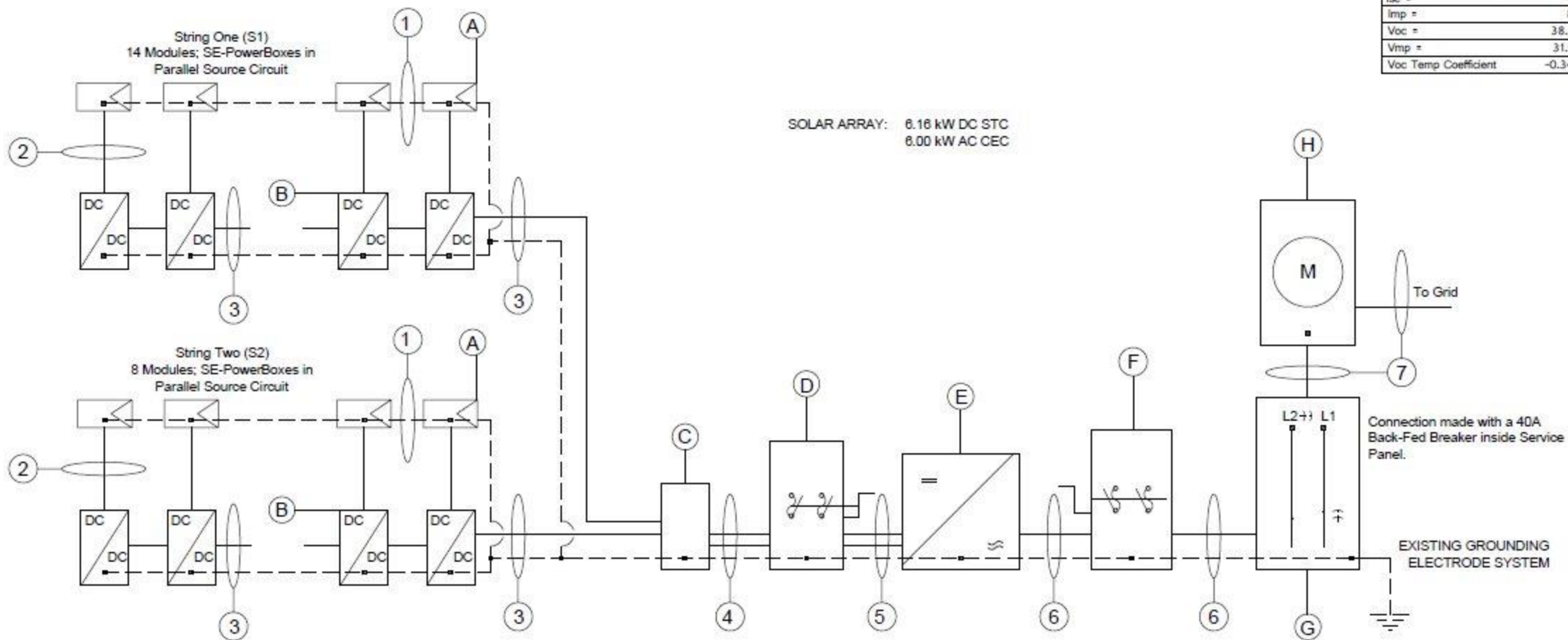


TOTAL SYSTEM SIZE	6.16 kW DC STC
	SUNIVA OPT280-60-4-1B0
Isc =	9.31 A
Imp =	8.78 A
Voc =	38.8 VDC
Vmp =	31.9 VDC
Voc Temp Coefficient	-0.34 %/°C



Component Notes

A	Solar Panel: SUNIVA OPT280-60-4-1B0. Typical of 22
B	DC Converter: 300 Watt SolarEdge Power Box OP300-MV. Typical of 22
C	Nema 3 Junction / Transition Box.
D	DC Disconnect: SolarEdge Inverter-Integrated Disconnect
E	SOLAR EDGE String Inverter: 6000-W Inverter, MPPT Tracking, 240V Inverter
F	AC PV DISCONNECT: Lockable 60A 2-pole 240V. NEMA-3 w/35A Fuses. Accessible, Visible, Lockable, Labeled, within 10' of Utility Meter
G	Existing Load Center: 200A Rated Bus, with 200A Main Breaker. 40A Back-Fed Breaker Interconnection
H	Existing Utility Meter.

Wire and Conduit Schedule

Marker	Description	Required Conductor Ampacity
1	(1) 6AWG Bare Cu Ground.	
2	(2) 12AWG Cu PV Wire. Existing Manufacture Installed Wire	14.54
3	(2) 10AWG Cu PV Wire. (1) 6AWG Bare Cu Ground	18.75
4	3/4" EMT. (4) 10AWG Cu THWN-2. (1) 6AWG Cu THWN-2 Ground.	28.85
5	Existing Manufacture Installed Wire	18.75
6	1" EMT. (3) 8AWG Cu THWN-2. (1) 6AWG Cu THWN-2 Ground	31.25
7	Existing Infrastructure	