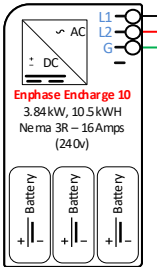


Roof Mounted (50 Modules) – Metal Roof

- LG-355->LG355N1C-N5** (240v)
1-Solar Array - 1 String of 11 modules
Enphase IQ7s->IQ7PLUS-72-2US
Microinverters - located under each panel
- LG-355->LG355N1C-N5**
3-Solar Array - 3 String of 10 modules
Enphase IQ7s->IQ7PLUS-72-2US
Microinverters - located under each panel
- LG-355->LG355N1C-N5** (240v)
1-Solar Array - 1 String of 9 modules
Enphase IQ7s->IQ7PLUS-72-2US
Microinverters - located under each panel

*Battery will be left in Back-up mode by Tech



Combiner Box
80A Rated (240v)
(ATTABOX Model X-1C-AM1-240-3)
(Exterior Mounted)

Relay Junction Box
PV Shedding Relays
(12 x 12 NE MA3)
(Exterior Mounted)

Generation Panel
125A Rated (240v)
(Exterior Mounted)

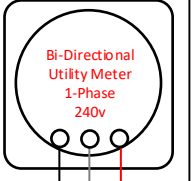
AC Disconnect 100A
Lockable and Non-Fusible (240v)
(Exterior Mounted)

ESS Hold Down
KIT BRHDK125 is
Required Per
730.15

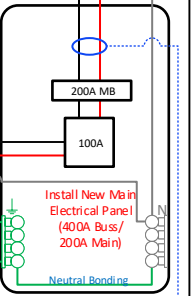
Empower
Enphase Smart Switch
200A Nema 3R
(Exterior Mounted)

AC Disconnect 100A
Lockable and Non-Fusible (240v)
(Rack Mounted)

Power Pole Utility Meter

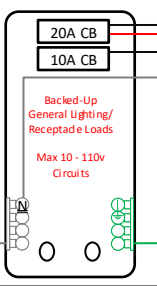


Build Rack at Pole



NEW - Main Service Panel
(Pole Mounted)
400A Rated Buss (240v)
200A Main Breaker

Critical Loads Panel
125A Rated (240v)



Circuits will be removed out of existing panel and extended to the Critical Loads Panel in the vicinity of the existing panel

Production C.T.'s

(GN) General Conduit Note:
Conduit to be UL Listed for wet locations and UV protected (Ex. - EMT, Sch 80 PVC or RMC)

* FMC May be used in indoor applications where permitted by NEC Art. 348

- Critical Loads Panel Schedule**
- 15A - General Lights/Rec
 - 15A - General Lights/Rec
 - 15A - General Lights/Rec
 - 15A - General Lights/Rec
 - 15A - General Lights/Rec
 - 15A - General Lights/Rec
 - 15A - General Lights/Rec
 - 15A - Kitchen GFI
 - 15A - Bath GFI
 - 20A - Refrigerator

Christopher Phillips
50 X 315 = 15.75kWDC
50 X 290 = 14.50kWAC
(3) Branch circuit of 10 modules
(1) Branch circuit of 11 modules
(1) Branch circuit of 9 modules
Inverter output current: 1.21A
Max system output current: 60.50A

PV Module: (50) LR6-60HPB-315M
Inverter: (50) Enphase IQ7PLUS-72-2-US(240v) (290va)
Battery: (1) Enphase En charge 10 3.84KW, 10.5KWH Nema 3R (16A)(240v)

Visible, lockable, and Labeled - AC DISCONNECT LOCATED in close Proximity of meter

Trench Required -30"

Consumption C.T.'s

MARCJONES CONSTRUCTION
residential · commercial · solar

SUNPRO SOLAR HOME SPECIALISTS

ADDRESS: 395 Private Rd. 6620 Devine, TX. 78016		
DESC.: 15.75 kW solar panel system		
UTILITY: Medina Electric Co-Op		
JURISDICTION: Medina County		
DATE: 04.21.21	REV: 1	SHEET: 1 OF 1
Layout Designer:	One-Line Designer: B. Royce	