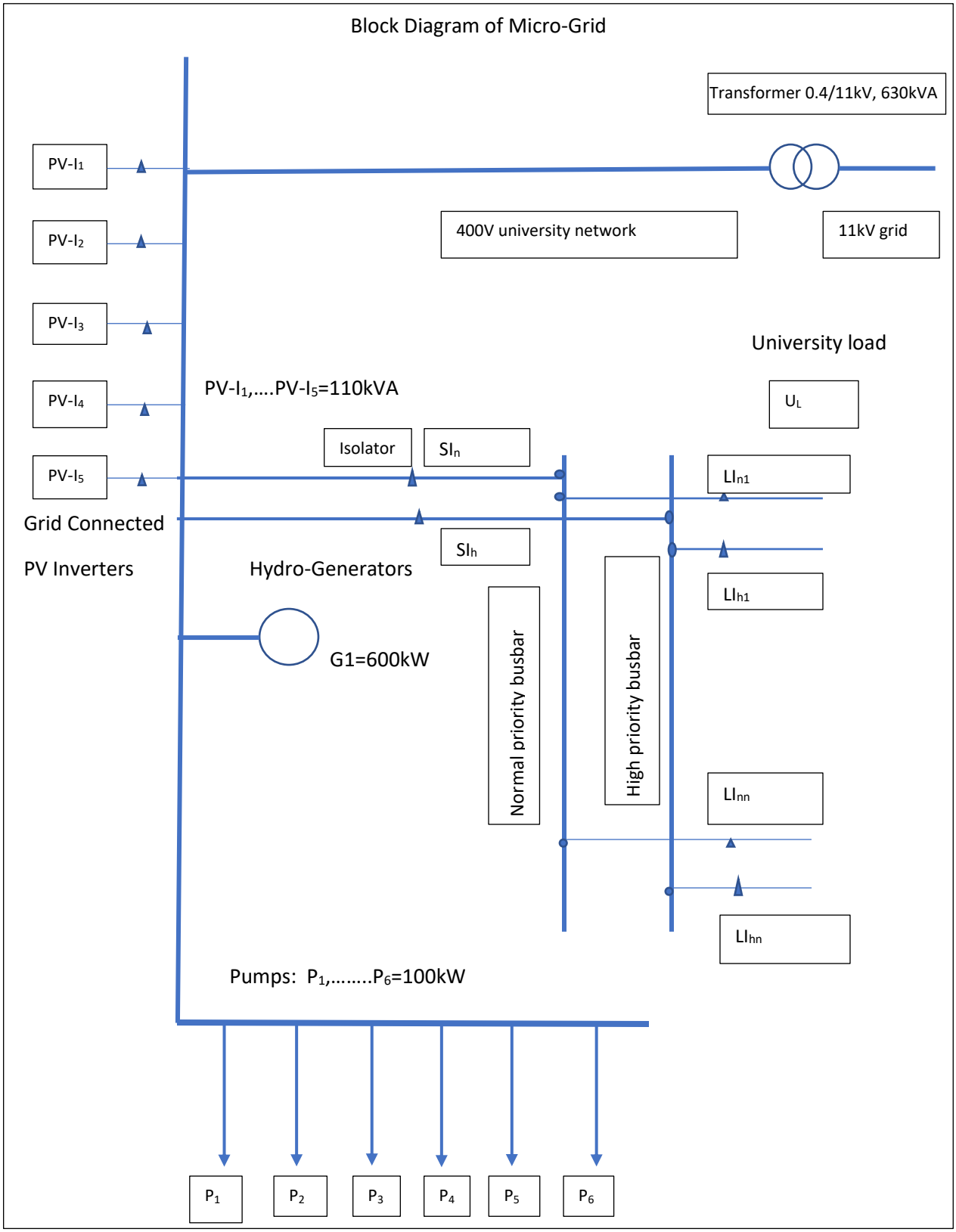
Block Diagram of Micro-Grid
Transformer 0.4/11kV, 630kVA
PV-I1
PV-I2
PV-I3
PV-I4
PV-I5
400V university network
11kV grid
University load
PV-I1,....PV-I5=110kVA
UL
Isolator
SIn
LIn1
Grid Connected
PV Inverters
SIh
Hydro-Generators
LIh1
G1=600kW
Normal priority busbar
High priority busbar
LInn
LIhn
Pumps: P1,.....P6=100kW
P1
P2
P3
P4
P5
P6