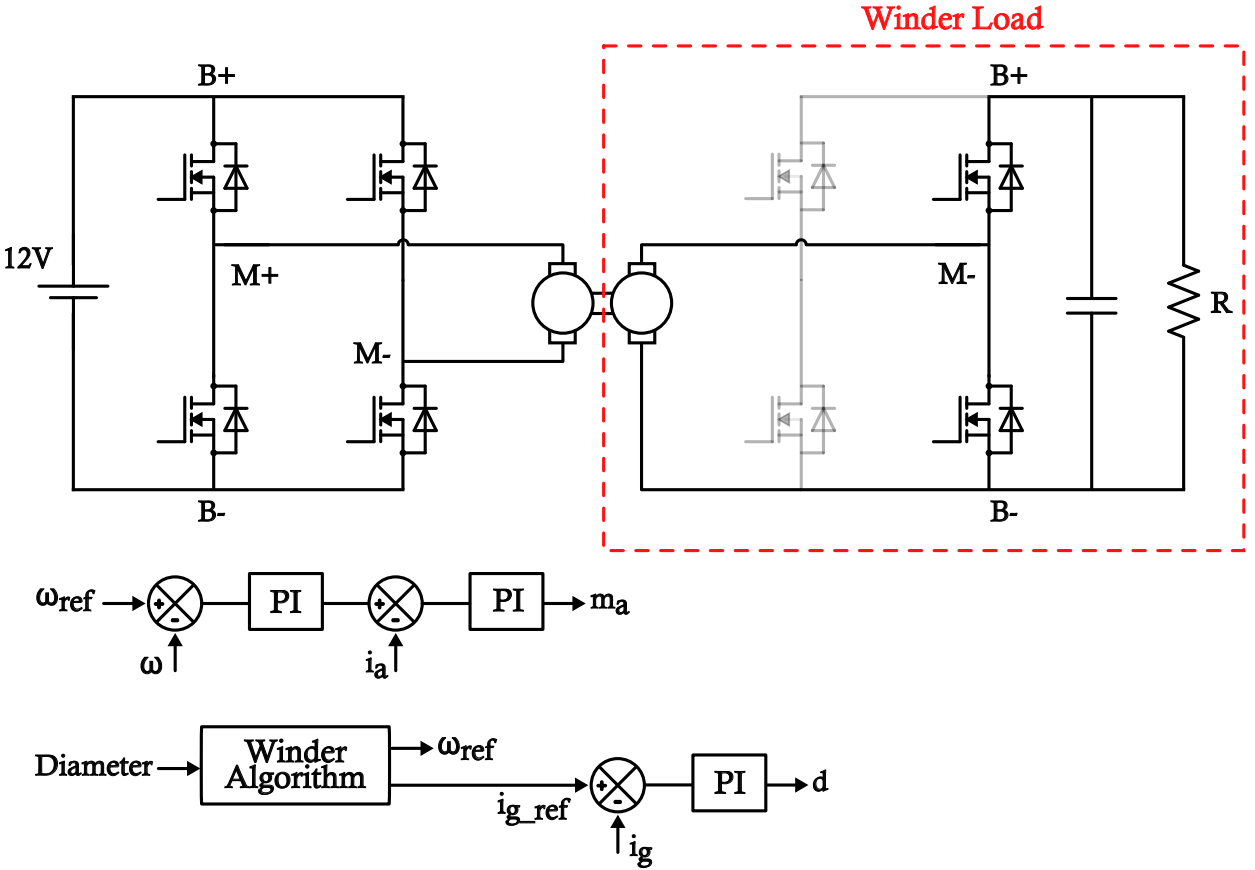

Winder Load
B+
B+
12V
M+
M-
M-
R
B-
B-
ωref
PI
PI
ma
ω
ia
Diameter
Winder Algorithm
ωref
ig_ref
PI
d
ig