Vdc ,ref ,I =Vdc ,max -∂dc ,I P dc ,I

∂dc ,I = = (1)

Vdc,ref,i =vdc,max -∂dc,i P dc,i +I dc,i Xi.

Vdc,ref,1 =Vdc ,max -∂dc,1Pdc,1

Vdc,ref,2 =Vdc ,max -∂dc,2Pdc,2

∂dc,1Pdc,1 =∂dc,2Pdc,2 → = =

Vdc ,ref ,TC x =

Off;

Vdc ,start ,TC x - ᵟL ,TC x × P dc ,TC x;

Vdc ,nom ,TC x;

Vdc ,nom ,TC x-ᵟH ,TC x[P dc ,TC x-(100-H)%×P dc ,max ,TC x];

Vdc > Vdc ,start ,TC x

0≤Pdc,TCx≤L%×P dc ,max ,TC x

L%×P dc ,max ,TC x<P dc ,TC x <(100-H)%×P dc ,max ,TC x

(100-H)%×P dc ,max ,TC x ≤P dc ,TC x ≤P dc, max ,TC x

P load = P DG +P Grid =

Q load = QDG +Q Grid =3V\_PCC^2 (1/2πfL-2πf C)